



# INSTALLATION INSTRUCTIONS

**Vehicle Model: To suit Mazda BT-50  
Dual Cab 2011 -2020**



**INSTALLATION TIME:** 1 hours and 45 minutes (Approximately)

<b>IMPORTANT</b>	<ul style="list-style-type: none"> <li>• Do not stand/sit or rest heavy objects on Roll R Cover</li> <li>• Humans or animals are not to be under the closed cover at any given time</li> <li>• Tonneau Cover is not dust or water tight</li> <li>• If contact with volatile chemicals occur, clean Cover with mild detergent and water solution</li> </ul>			
<b>Care Instructions</b>	<ul style="list-style-type: none"> <li>• Read Instructions fully before commencing installation.</li> <li>• Clean Cover with a mild detergent and water solution</li> <li>• Do not use abrasive cleaners or solvents</li> <li>• Refer to manufactures instructions applicable to power drill.</li> <li>• Protect Tub floor against scratches during installation process.</li> </ul>			
<b>Maintenance</b>	Refer to Maintenance instructions.			
<b>Tools Required</b>	<table style="width: 100%; border: none;"> <tr> <td style="vertical-align: top; width: 33%;"> <ul style="list-style-type: none"> <li>• Pen / Marker</li> <li>• Centre Punch</li> <li>• Drill &amp; Drill bits</li> <li>• Caulking Gun</li> <li>• Silicon - Non Acetic</li> </ul> </td> <td style="vertical-align: top; width: 33%;"> <ul style="list-style-type: none"> <li>• Scissors &amp; Knife</li> <li>• Spanner &amp; Socket</li> <li>• Tape measure</li> <li>• Holesaw</li> <li>• Filing tool</li> </ul> </td> <td style="vertical-align: top; width: 33%;"> <ul style="list-style-type: none"> <li>• Soapy water solution</li> <li>• Allen Key set</li> <li>• Screw driver</li> <li>• Rust Inhibitor</li> <li>• Trim Removal Tool</li> </ul> </td> </tr> </table>	<ul style="list-style-type: none"> <li>• Pen / Marker</li> <li>• Centre Punch</li> <li>• Drill &amp; Drill bits</li> <li>• Caulking Gun</li> <li>• Silicon - Non Acetic</li> </ul>	<ul style="list-style-type: none"> <li>• Scissors &amp; Knife</li> <li>• Spanner &amp; Socket</li> <li>• Tape measure</li> <li>• Holesaw</li> <li>• Filing tool</li> </ul>	<ul style="list-style-type: none"> <li>• Soapy water solution</li> <li>• Allen Key set</li> <li>• Screw driver</li> <li>• Rust Inhibitor</li> <li>• Trim Removal Tool</li> </ul>
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**PERSONAL PROTECTIVE EQUIPMENT:**



Rubber Gloves



Goggles



Hearing Protection

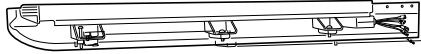
# BOX CONTENTS

## LEFT & RIGHT SIDE RAIL

S2.5-DC-AE-002ps-B4



S2.5-DC-AE-003ds-B4

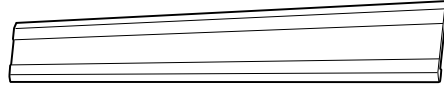


## CANISTER ASSEMBLY



S3-DC-AF-P4R\_B4R-001/002

## CANISTER TOP COVER



S2.5-DC-AE-005 -B

## STANDARD KIT

### COVER END CAPS



S2.5-DC-PI-004ps



S2.5-DC-PI-004ds



COUNTERSUNK  
SCREW Qty - 4



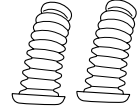
FLAT PLATE  
Qty - 2



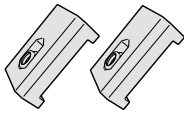
CABLE TIE  
Qty x 16



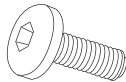
BATTERY  
LOOM S2.75



Drainage pipe  
Qty - 2



SIDERAIL CLAMP  
Qty - 6



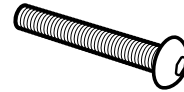
M8 x 35mm  
Qty - 6



M8 WASHER  
Qty - 6



M8 SPRING  
WASHER  
Qty - 6



M8 x 70 mm  
Qty - 2

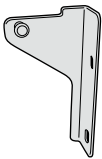


M8 NUT  
Qty - 8

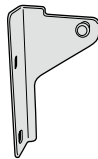


Rear Drainage pipe  
Qty - 2

## SPECIFIC KIT B4R



RBRH



RBLH



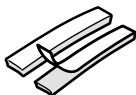
M6 x 20  
ALLEN Head  
Bolt Qty - 2



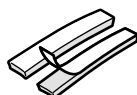
M8 x 20  
ALLEN Head  
Bolt Qty - 4



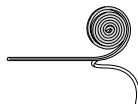
Clear protective  
tape ( 30mm x  
65mm)  
Qty - 2



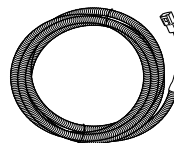
50449 D-SPONGE  
Qty-2



TAPE Qty -2



Foam seal  
Qty - 1.7m

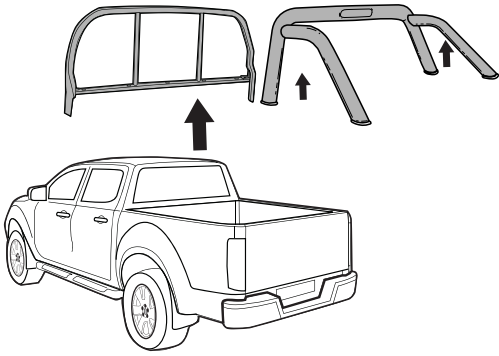


CL-LOOM-SHORT

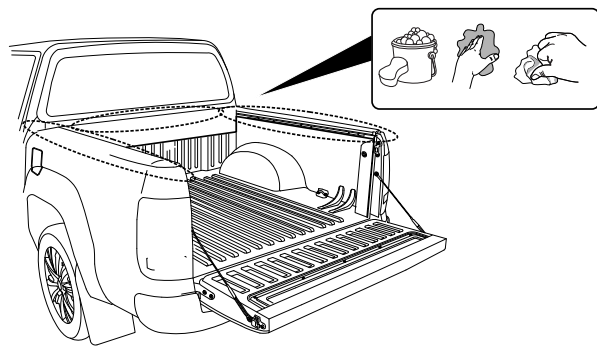


P-PATCH-K

## TUB PREPARATION

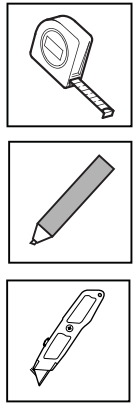
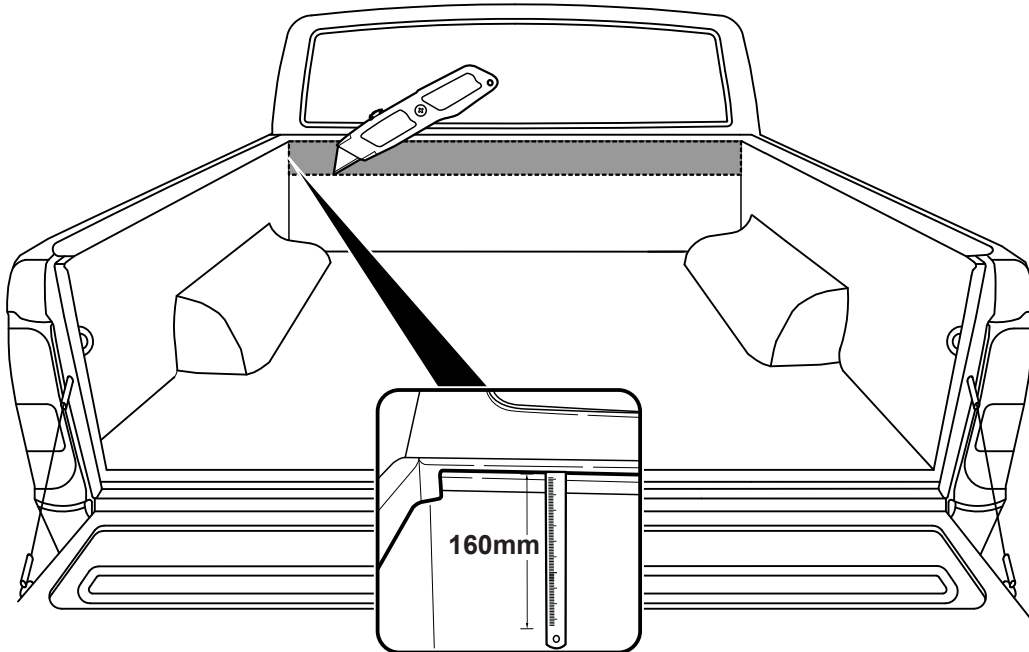


If the Vehicle is fitted with a cabin guard or sports styling bar, remove from Ute Tub (truck bed).

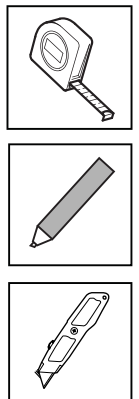
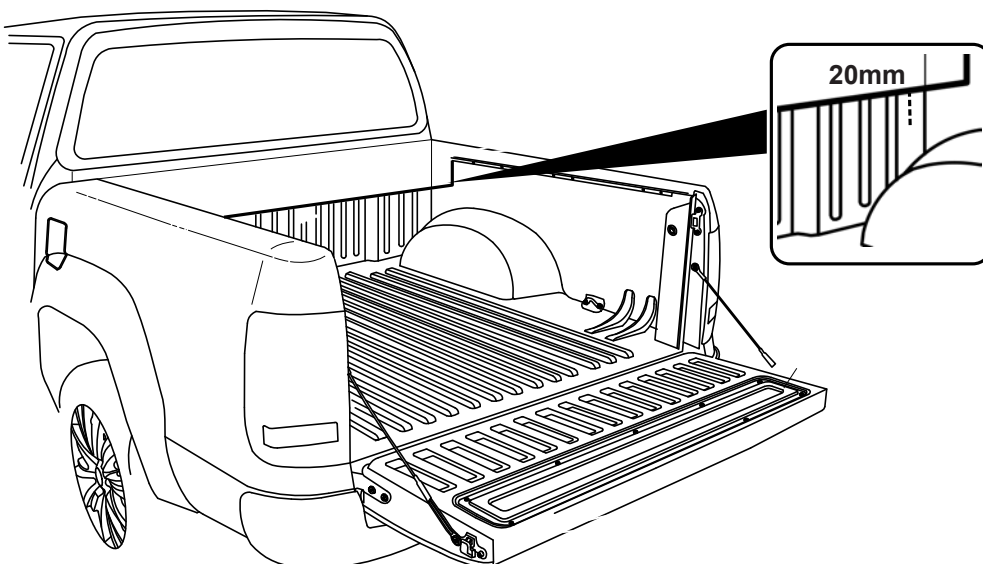


Clean are as indicated.

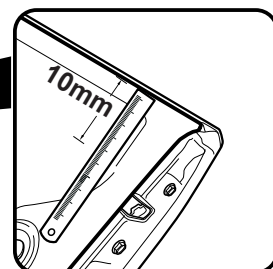
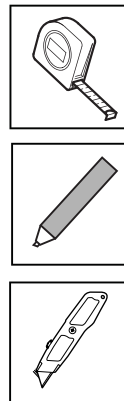
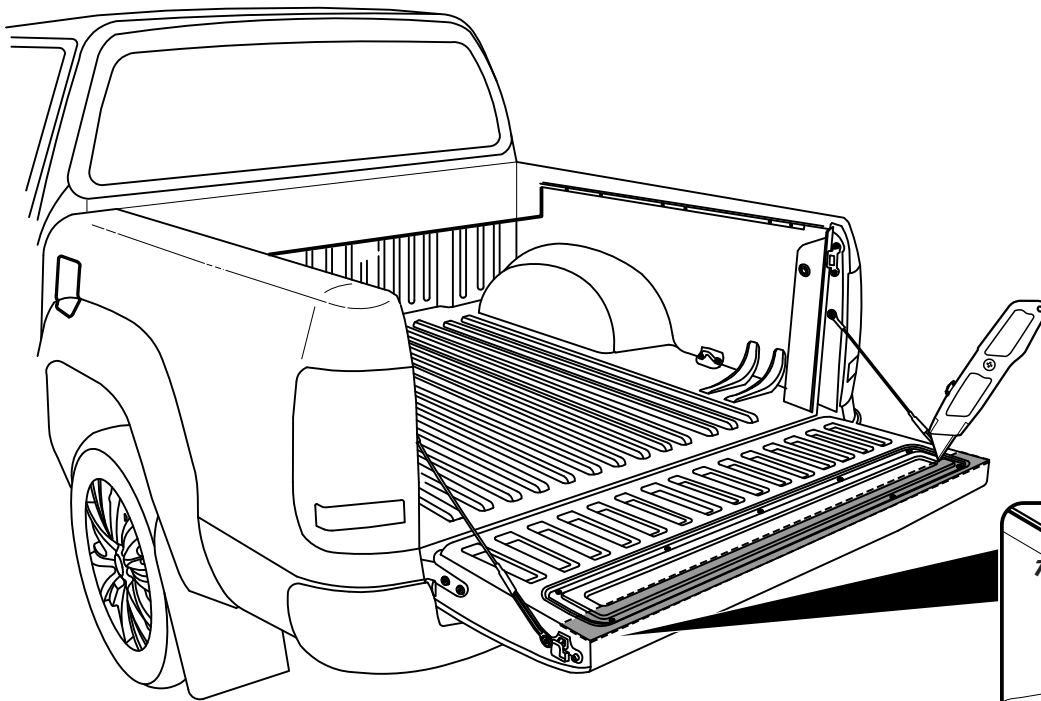
**Measure 160mm down from top of Ute bed ( head rail ) and mark across to the other side. Trim front of bed liner by 160mm from the top of the Ute bed as shown.**



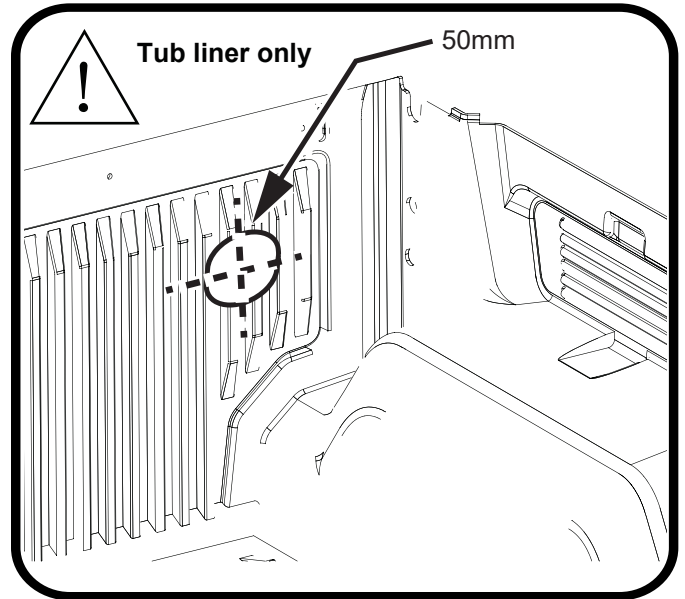
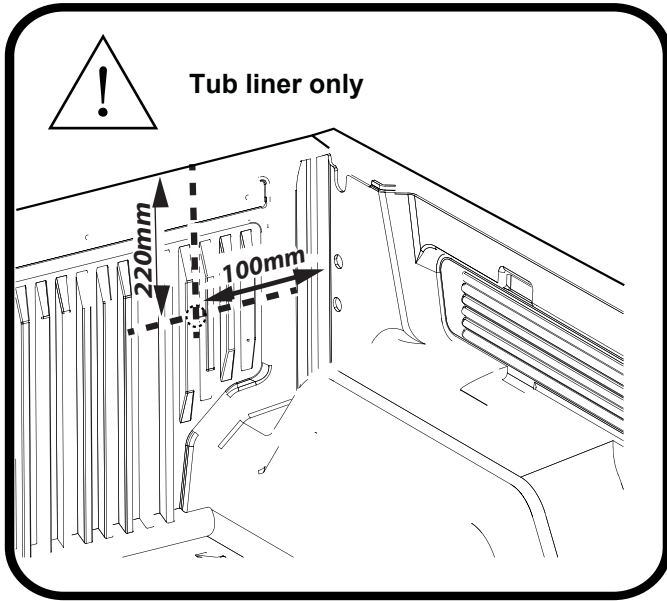
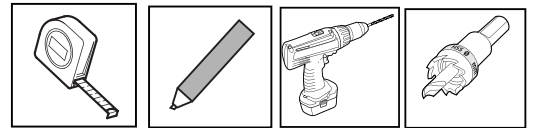
**Cut a 20mm split for bed liner to flex.**



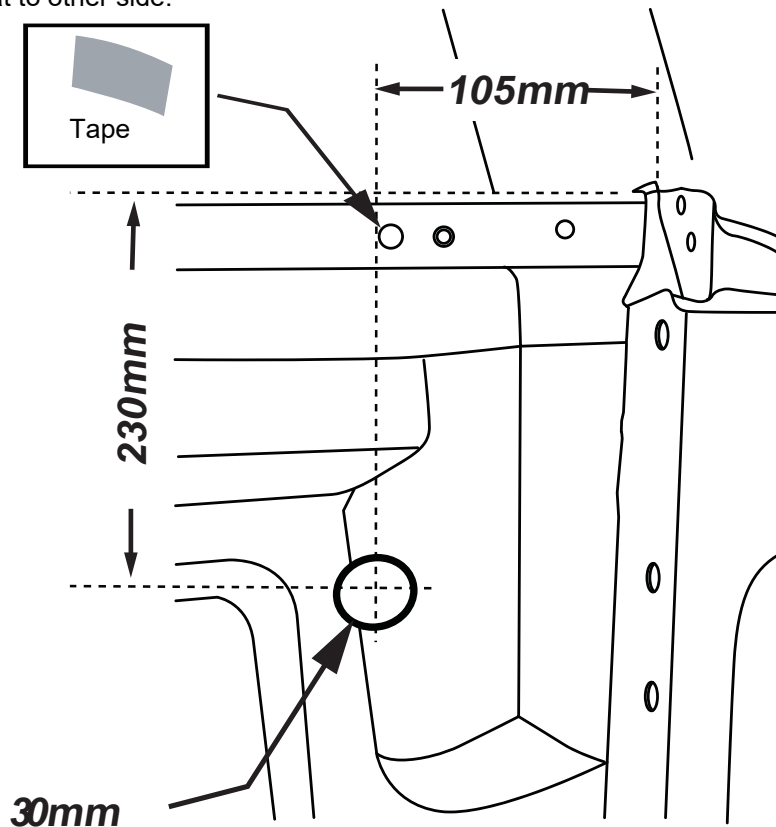
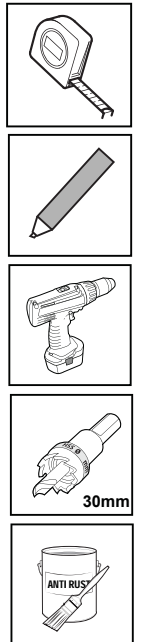
Measure 10mm down from top of tailgate and trim tailgate liner.



Measure down from top of headboard 220mm & 100mm from inside wall of bed liner as shown. Repeat to the other side.  
Using a 50mm hole-saw drill the liner only as indicated.

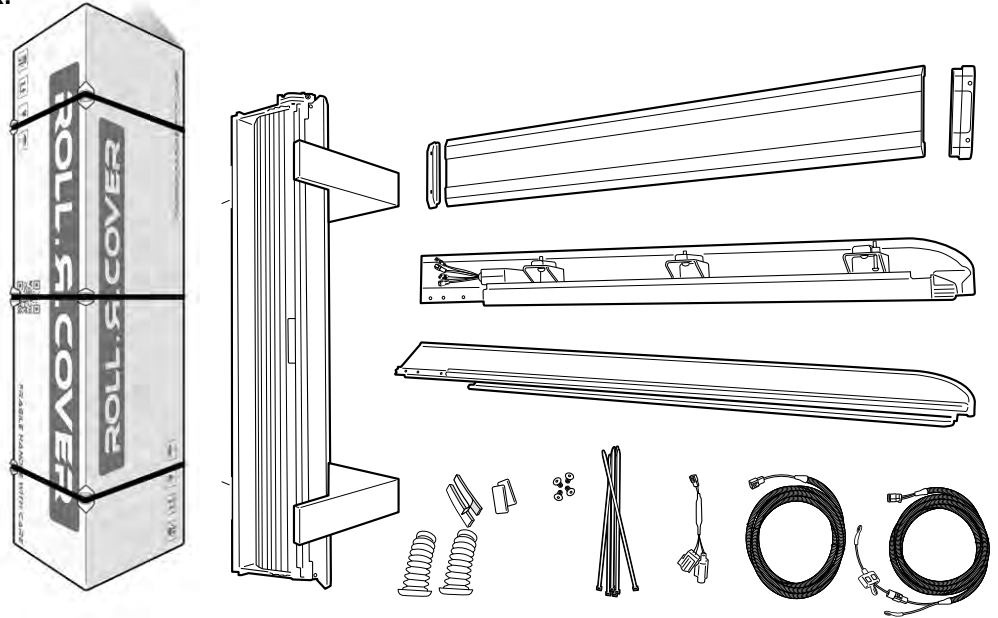


Measure down from top of headboard 230mm & 105mm from inside wall of bed as shown. Repeat to the other side.  
Using a 30mm hole-saw drill through tub front panel, file away any sharp edges. Apply anti rust coating. Repeat to other side.

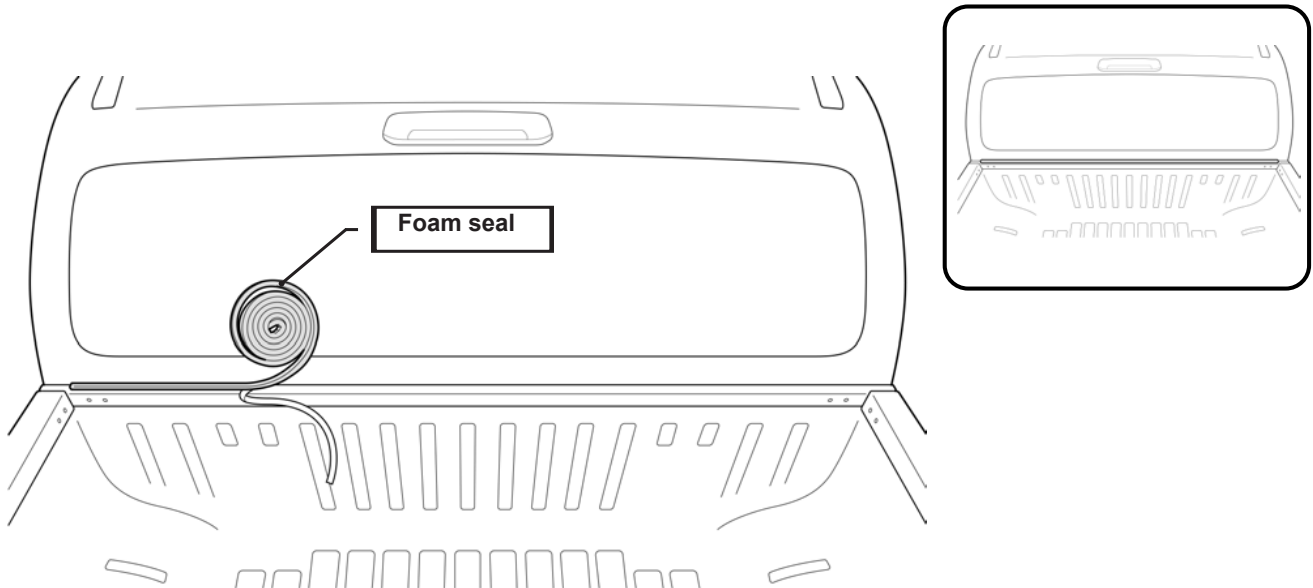


**! ATTENTION:** Do not exceed 30mm hole.

Carefully unpack the box.



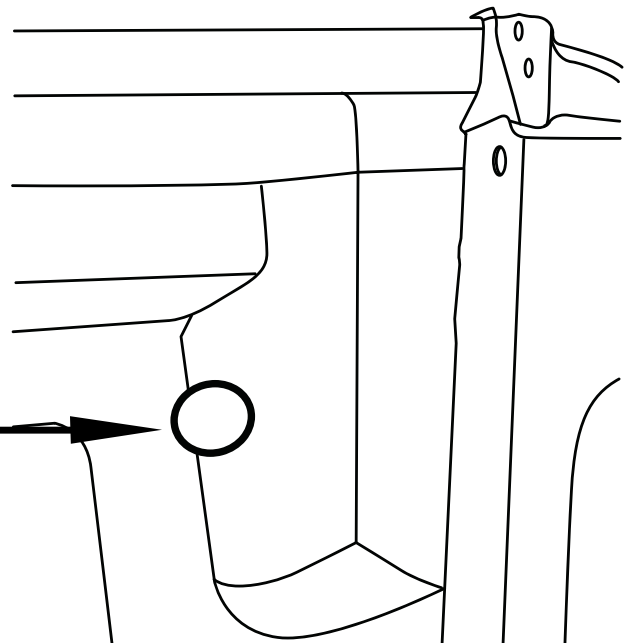
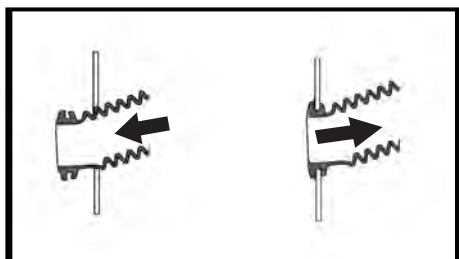
Run foam seal provided along the front ( inside edge towards tailgate ) of the tub to make head-rail level with sides.



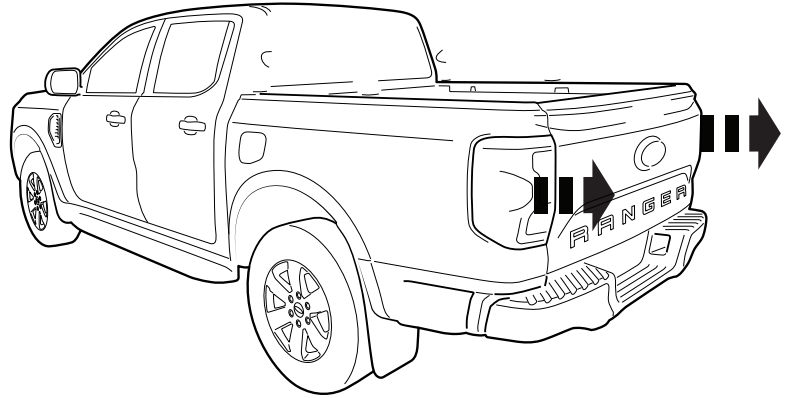
Install front drain pipes ( 55mm diameter end of hose ) through pre-drilled holes on the front tub panel.



Note: With care push tube in.  
Taking care pull the tube back so it seals correctly against the front panel of the tub.

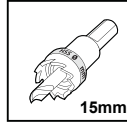
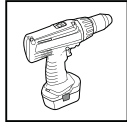
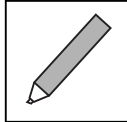
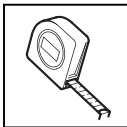


Remove and retain tail lights.

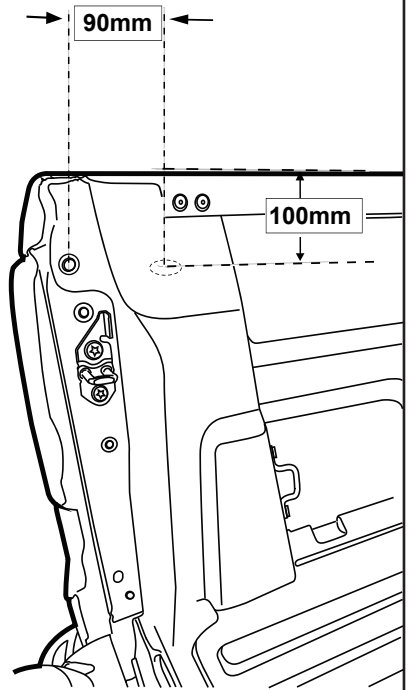


Measure 90mm towards the front of tub from the center of the indicated factory M6 thread. Measure down 100mm from the top edge of the tub as directed and make a mark.

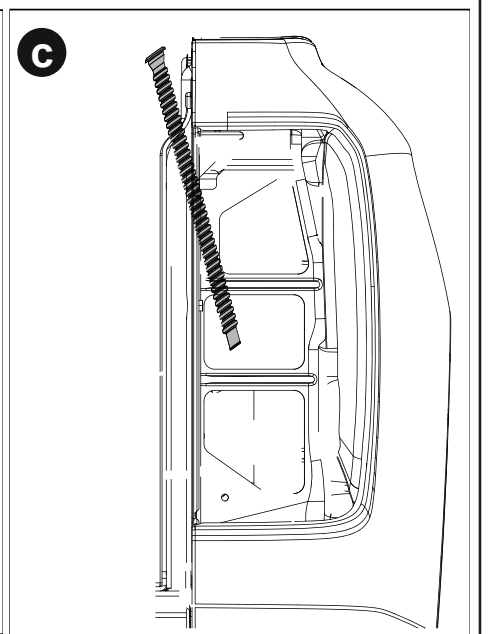
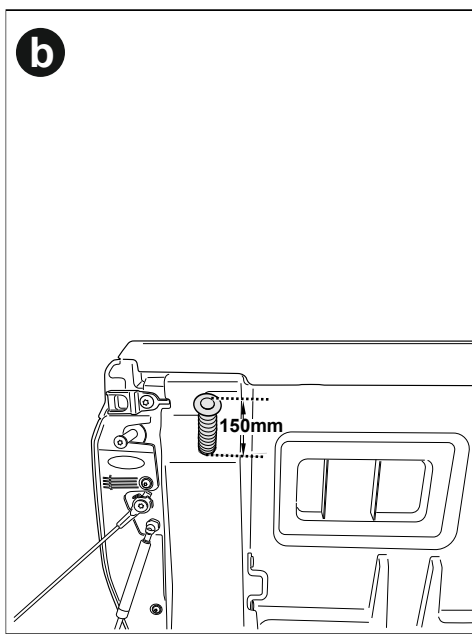
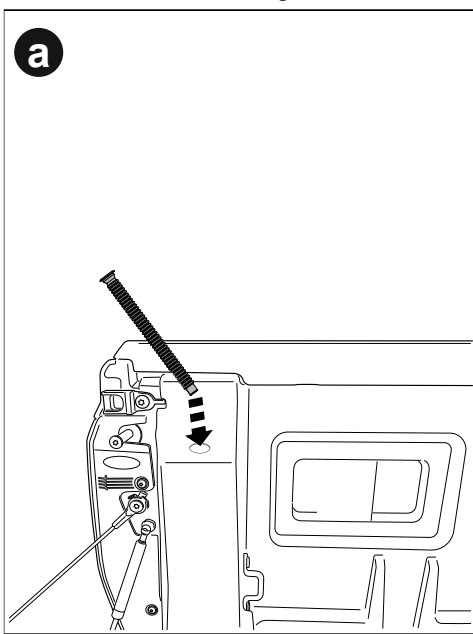
Use a 15mm hole-saw to drill through the tub pillar, and file away any sharp edges. Apply an anti-rust coating. Repeat the same steps on the other side.



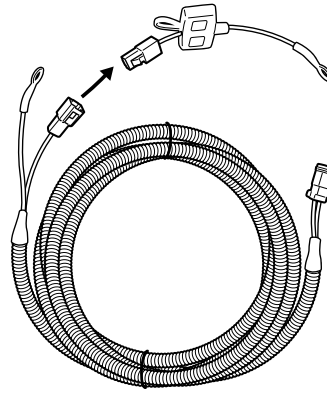
**ATTENTION:** Do not exceed 15mm hole.



- a** In the specified orientation insert the rear drainage pipe into the previously drilled hole.
  - b** Leaving 150mm of the pipe hanging out.
  - c** Check the tail light cavity to ensure there are no obstructions to the drainage pipe. Repeat to the other side.
- Re-fit the tail lights.

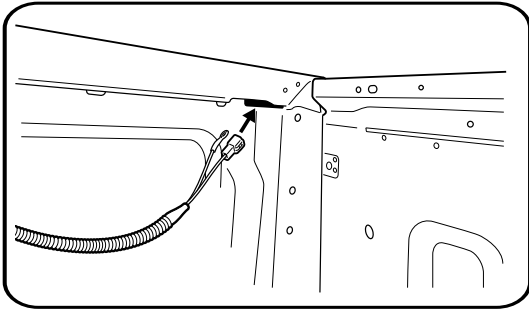


Disconnect fuse patch from battery loom S2.75.

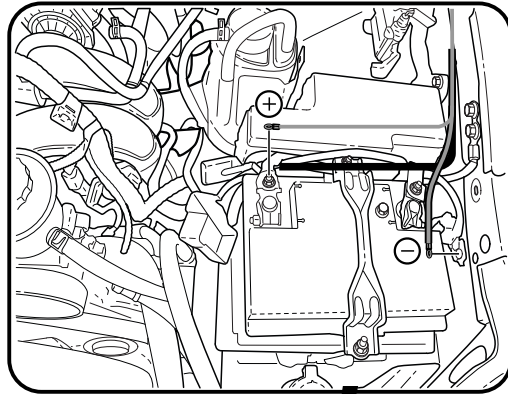


### Wiring Harness steps

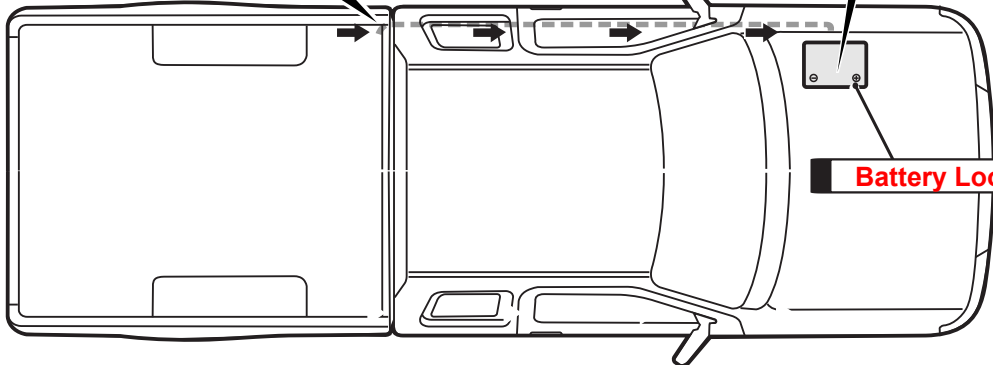
**1** Feed Battery Loom S2.75 through the cavity



**3**

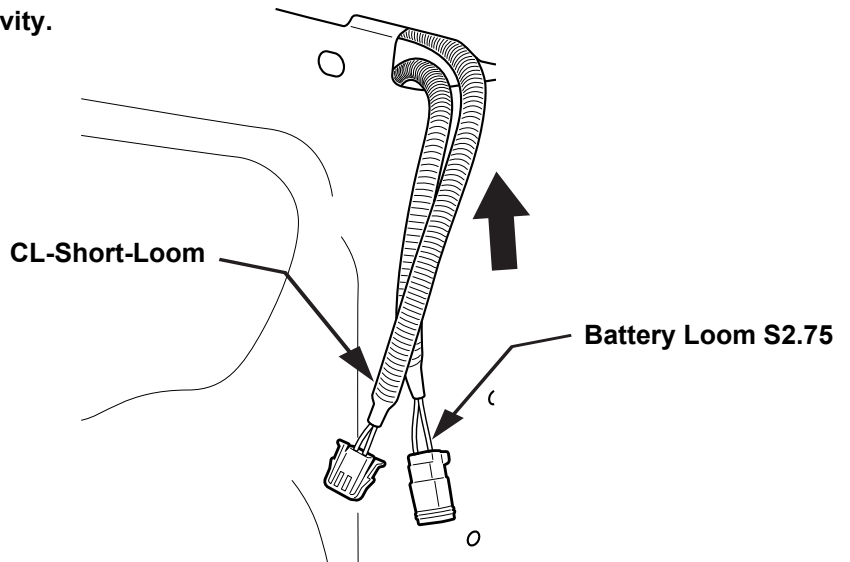


**2**



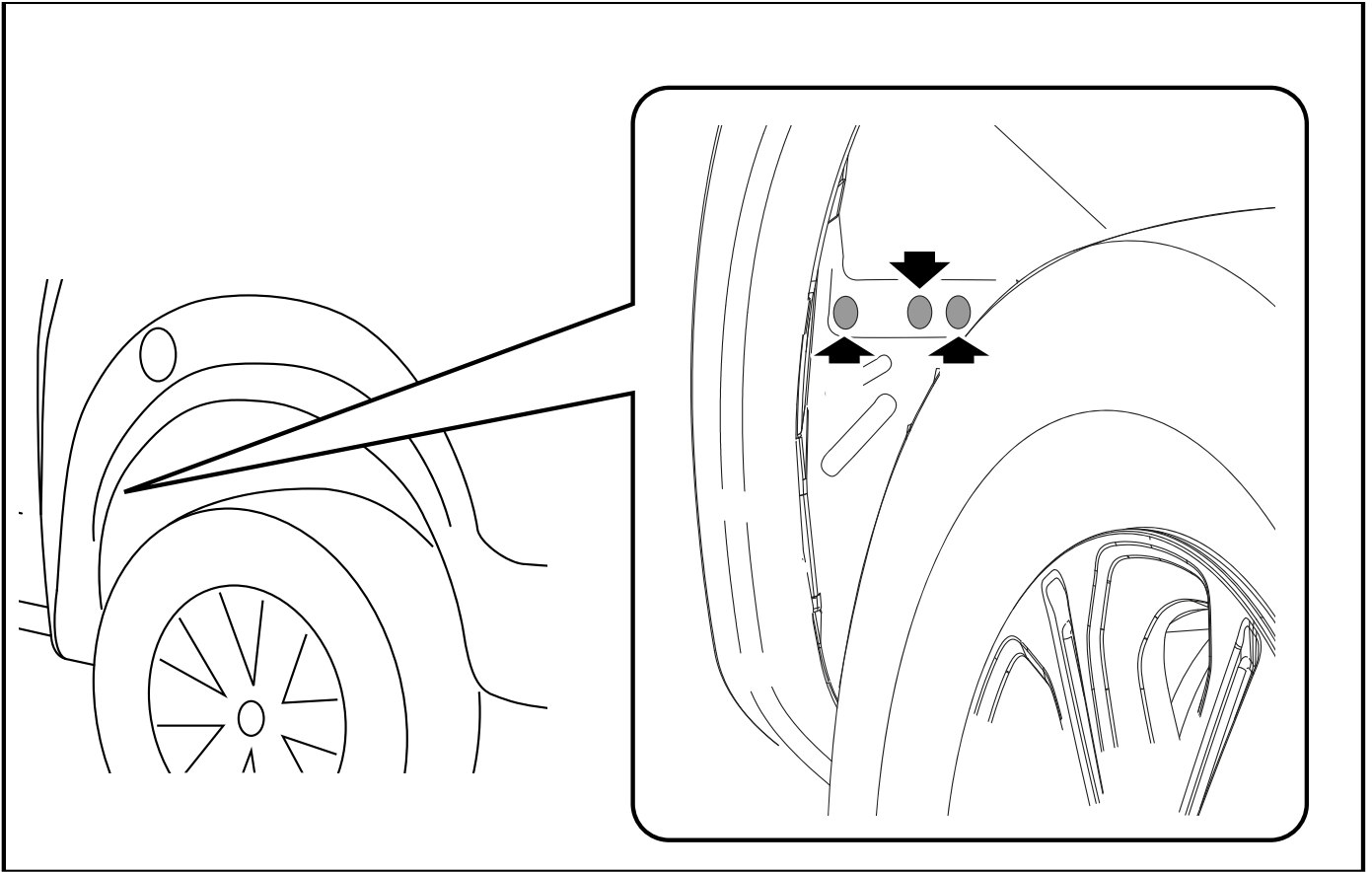
Run the wiring from the front corner cavity ( leaving 200mm in the tub) to the battery over the chassis rail. Making sure to keep away from hot obstructions and cable tie every 400mm. Reconnect fuse patch to battery loom S2.75, now attach fuse patch to positive of battery and earth to the body of the Ute.

Feed CL-Short-Loom through the cavity.

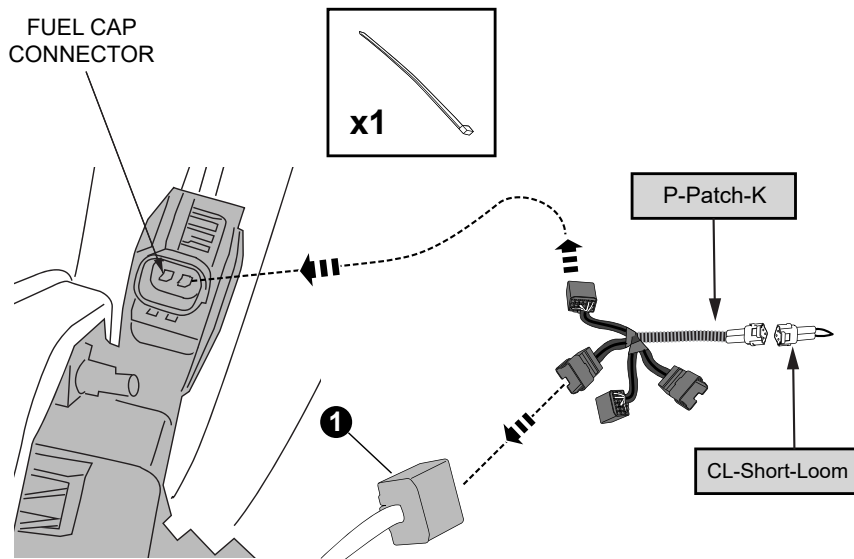




Remove required clips to gain access to wheel arch inner.



Disconnect the fuel flap connector . Patch the shorter (two grey connectors) between the two fuel flap connectors using P-Patch-K. Use one zip tie to secure the harness to the existing harness.



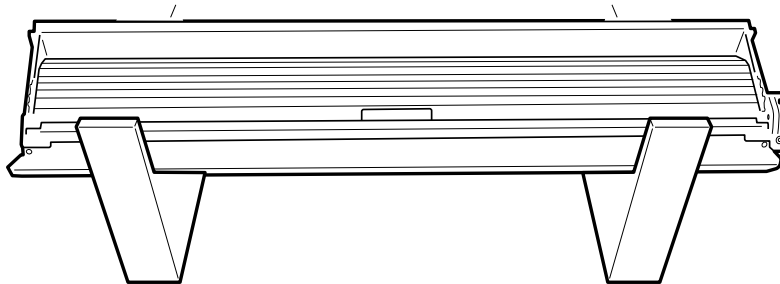
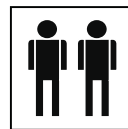
Now connect



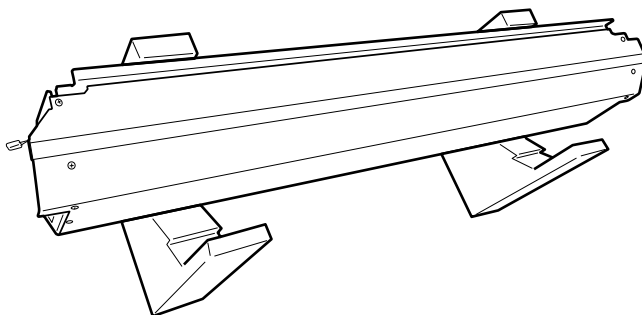
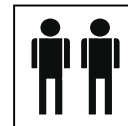
NOTE: P-Patch-K has 2 variants connectors, one is to suit the Ranger Raptor, the other is to suit the standard Ford Ranger T6 and Mazda BT50. The un-used plugs can be connected to each other.



keep the cannister in the foam blocks from the packaging for assembly.

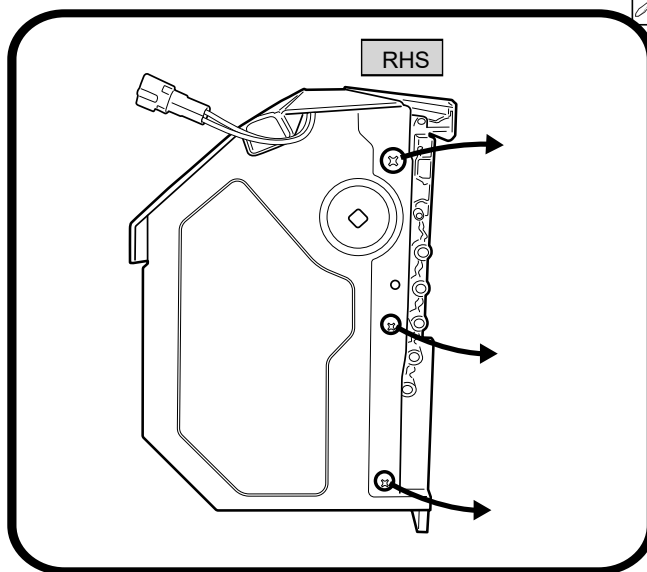
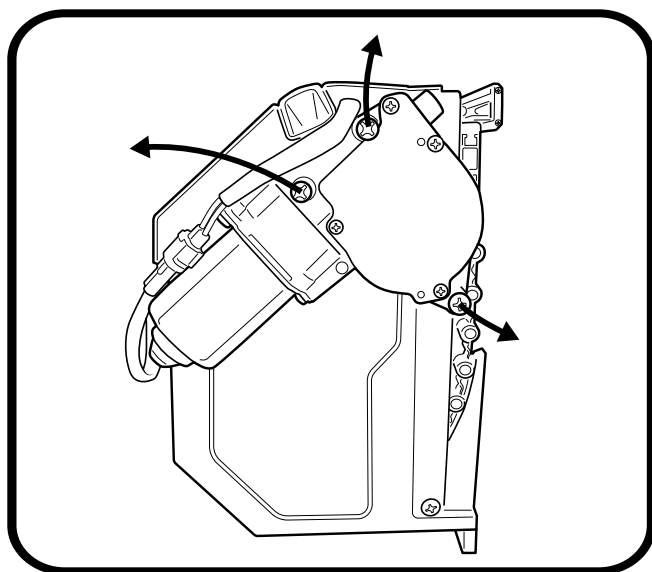
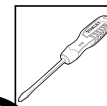


With assistance turn the canister on its back on the foam blocks.

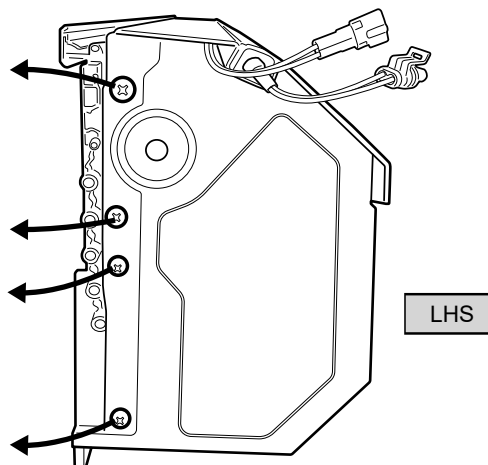
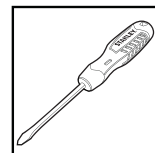


Disengage motor from the axle by unfastening the 3 Screws as indicated. Retain all parts.

Remove and retain the 3 screw from the canister as indicated.



Now on the other side, remove and retain the 4 screws from the canister as indicated.



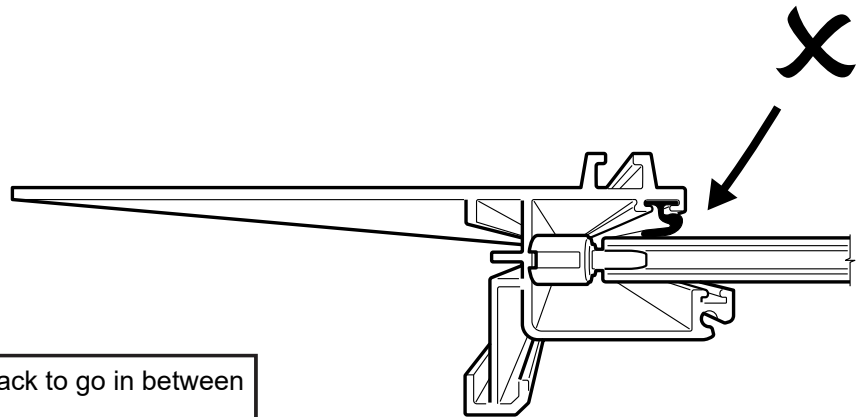
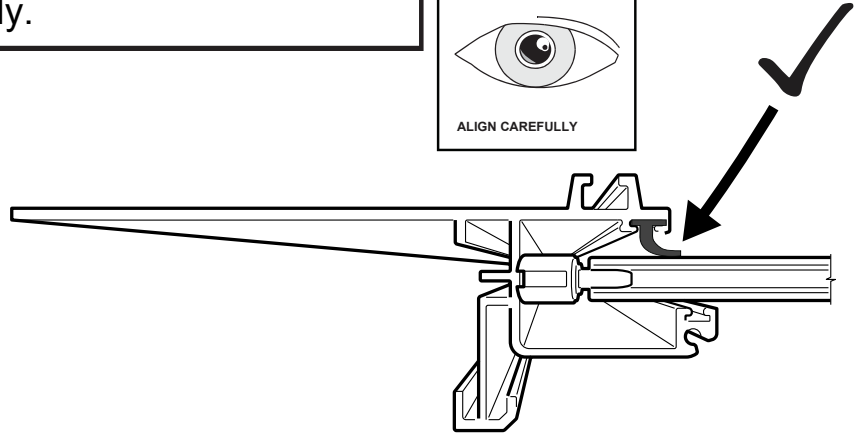


**Important Note:** Ensure that the Z seal within the track is positioned over the curtain and not folded inward. **WARRANTY** voided if assembled incorrectly.

CAUTION



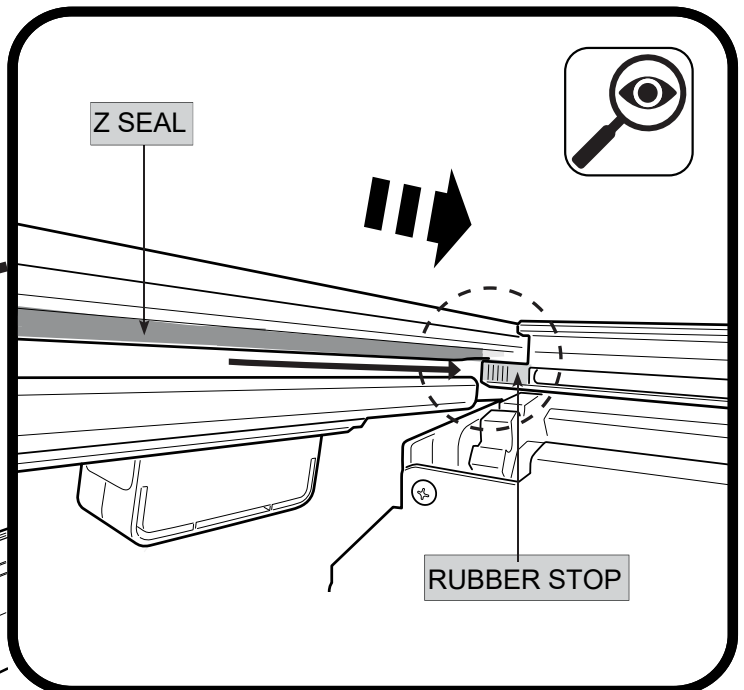
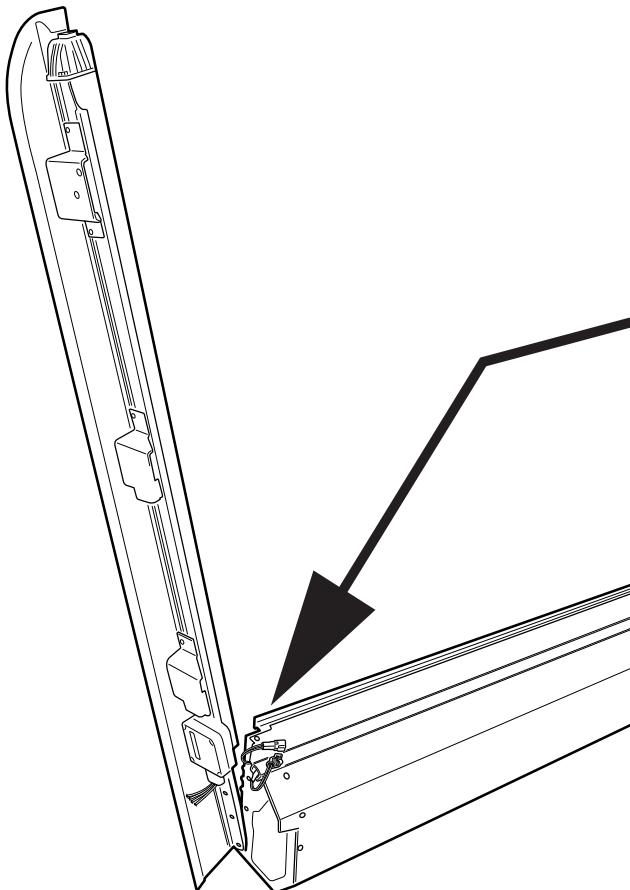
ALIGN CAREFULLY



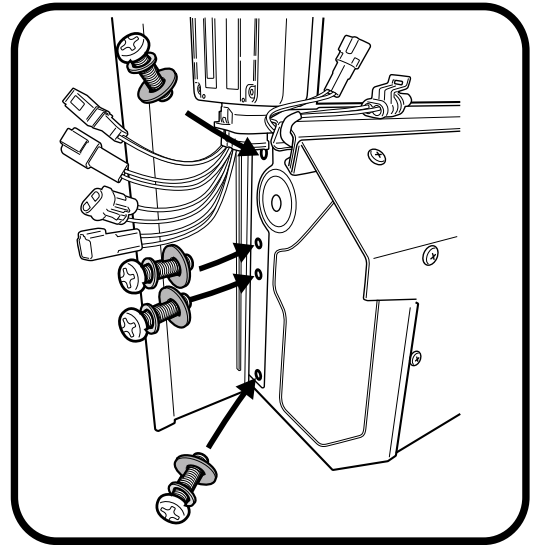
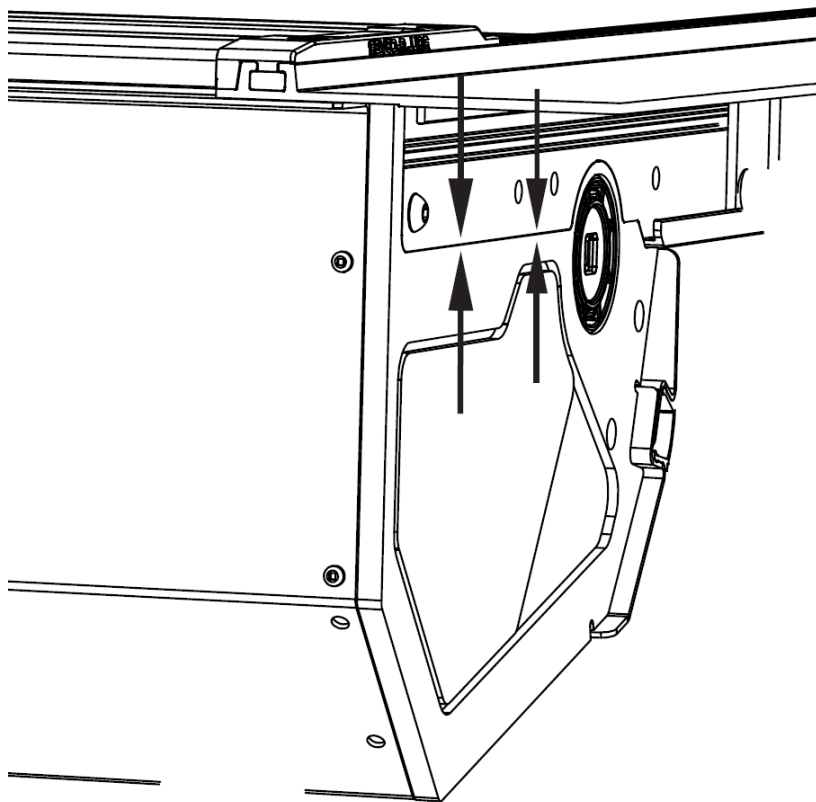
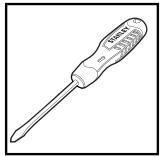
 **VISUAL TIP**

Align side rail to side of canister, guide the track to go in between the curtain end rubber stop.

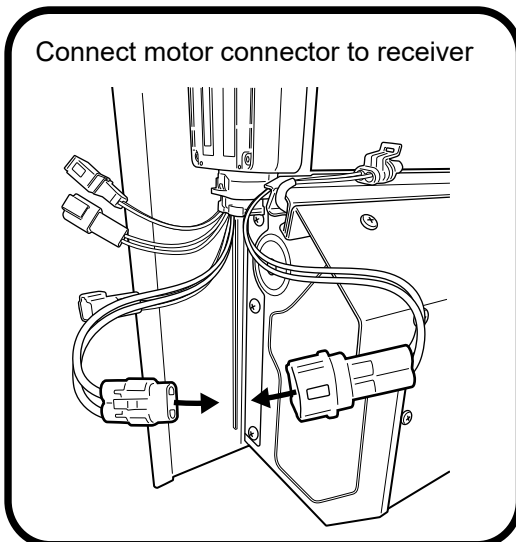
NOTE: LHS side rail to be assembled first.



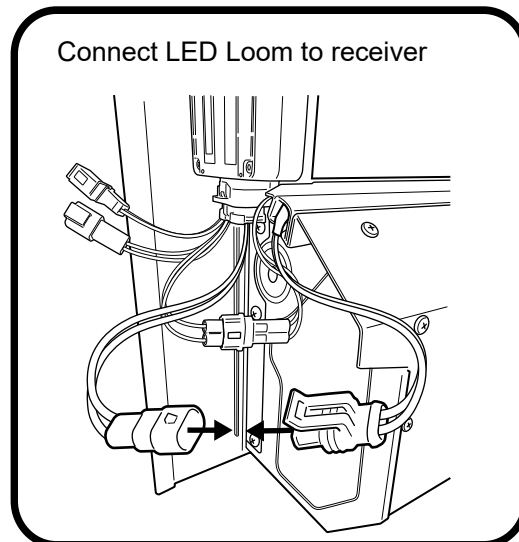
1. Using the retained screws, spring washer and washer, Loosely fasten the side rail to the location indicated.
2. Side rail edge must compress and meet with the canister profile as indicated below.
3. Fasten all screws tight.



Connect motor connector to receiver

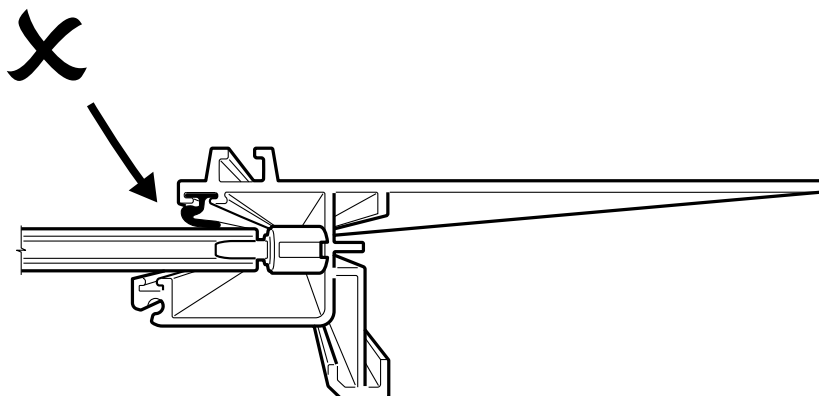
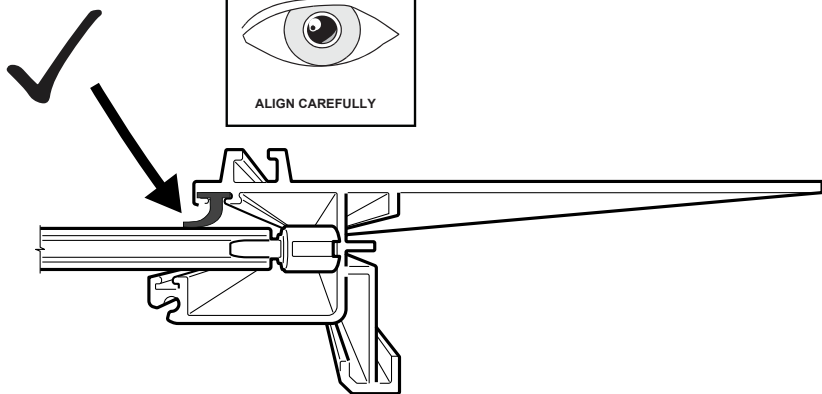
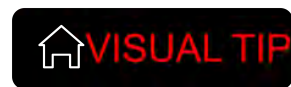


Connect LED Loom to receiver



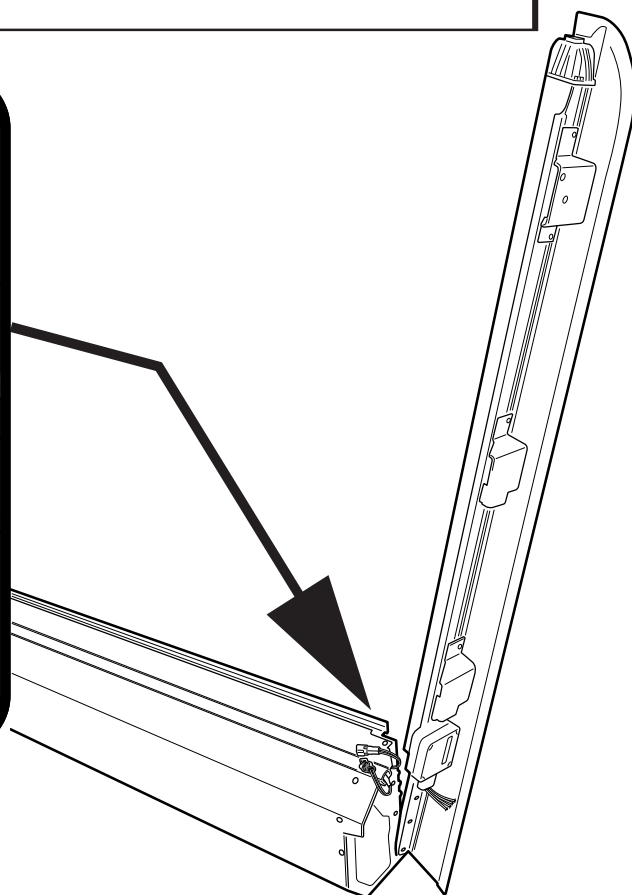
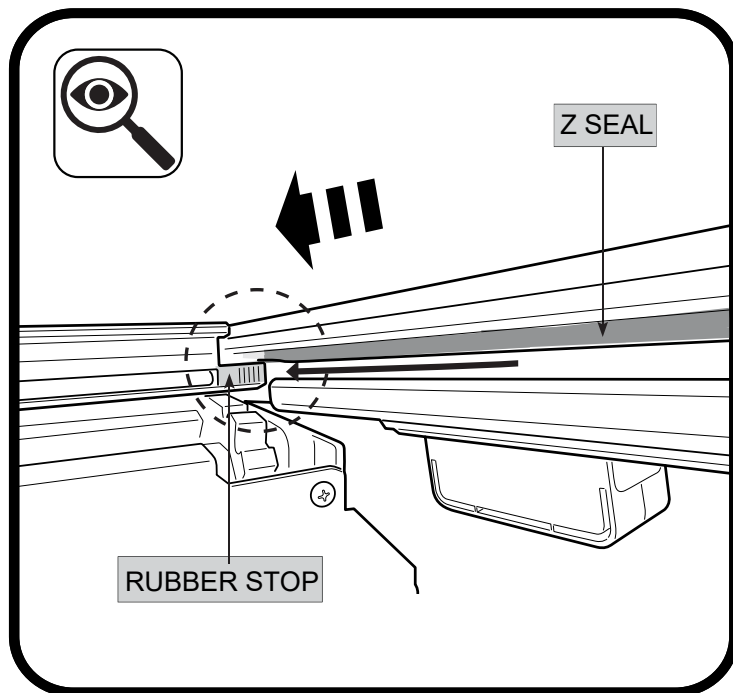


**Important Note:** Ensure that the Z seal within the track is positioned over the curtain and not folded inward. **WARRANTY** voided if assembled incorrectly.

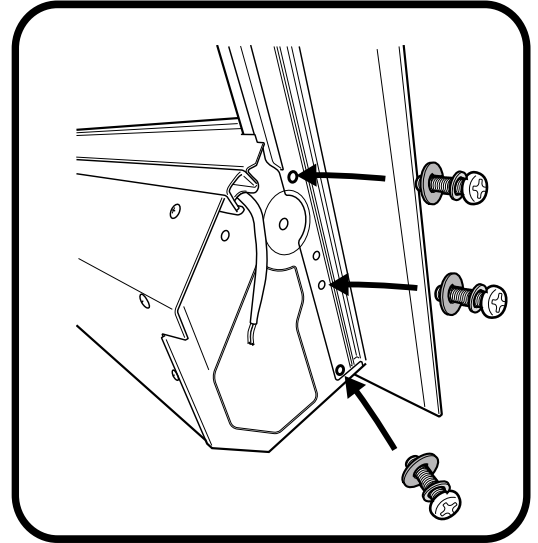
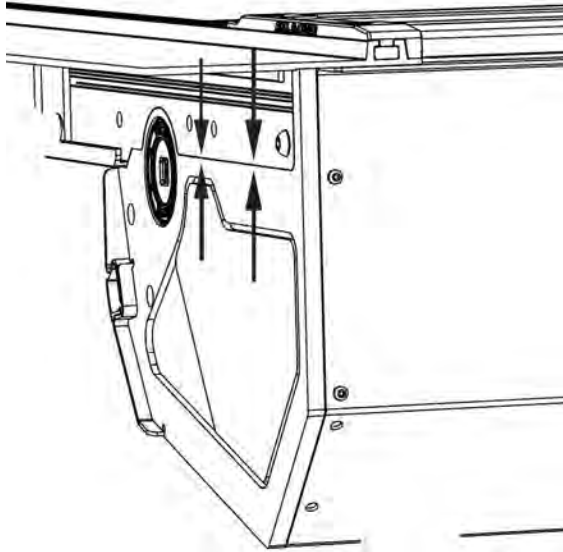
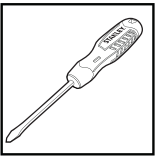


Align side rail to side of canister, guide the track to go in between the curtain end rubber stop.

NOTE: LHS side rail to be assembled first.

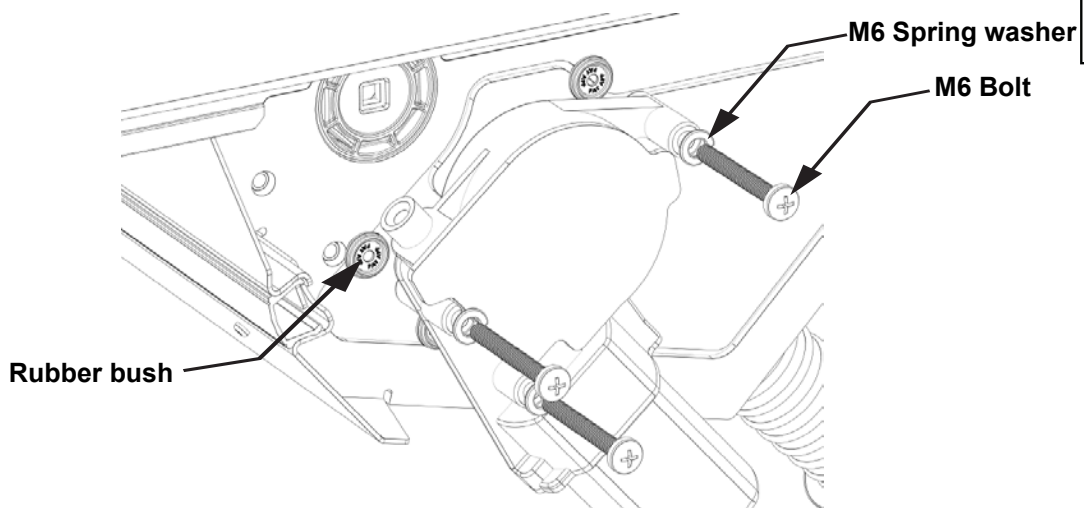
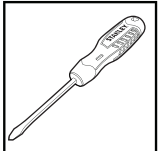


1. Using the retained screws, spring washer and washer, Loosely fasten the side rail to the location indicated.
2. Side rail edge must compress and meet with the canister profile as indicated below.
3. Fasten all screws tight.



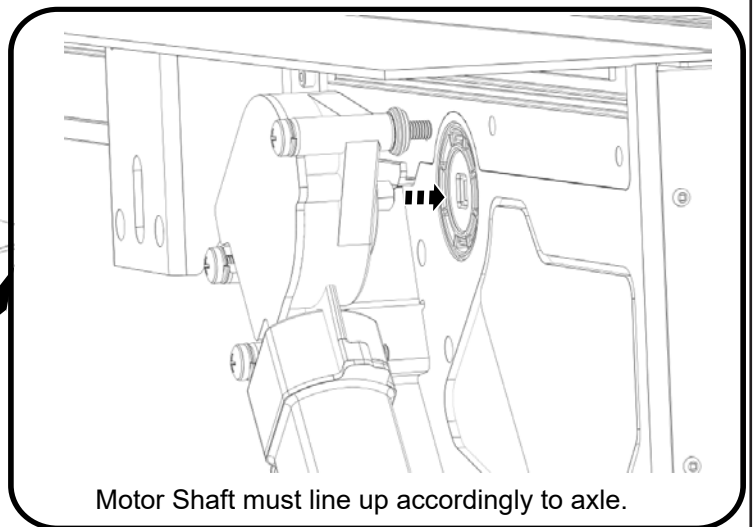
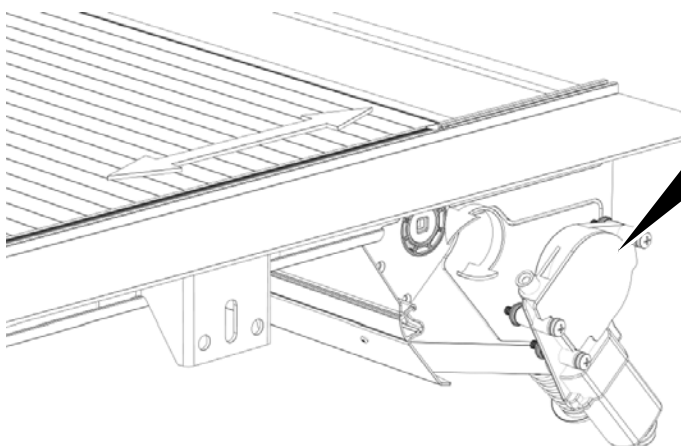
Feed M6 bolt through spring washer, motor and rubber bush.

**NOTE:** Rubber bush orientation has to be as per image. ( side with text on rubber, to face the motor).

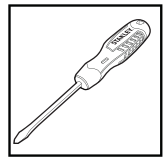
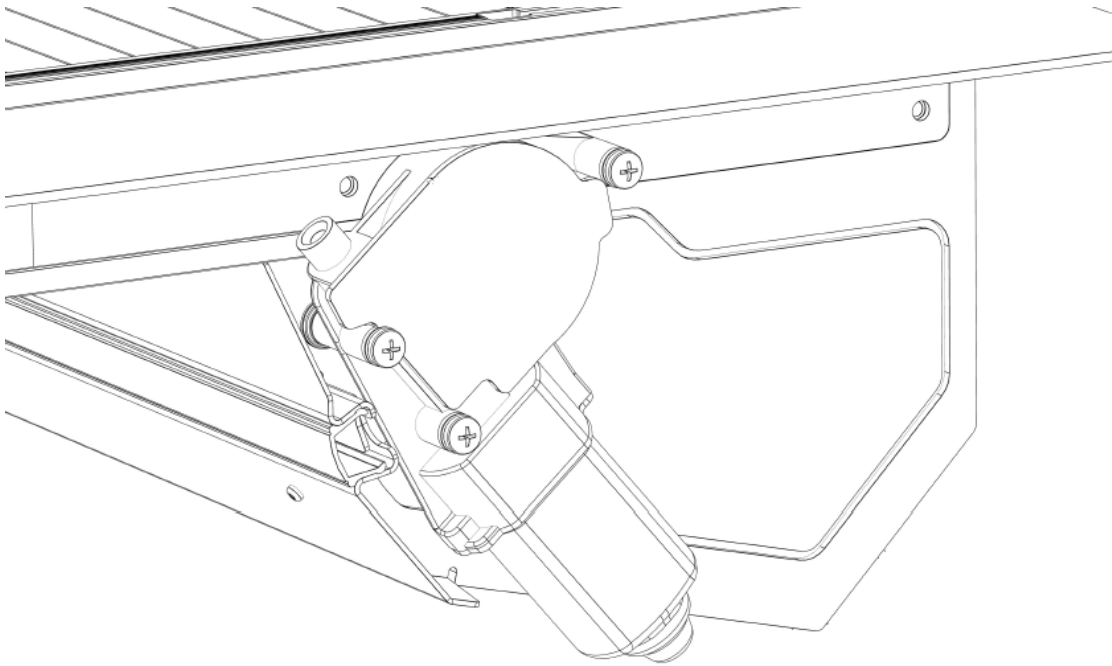


Align & insert motor shaft to axle.

**NOTE:** Pull / push curtain for axle to rotate.



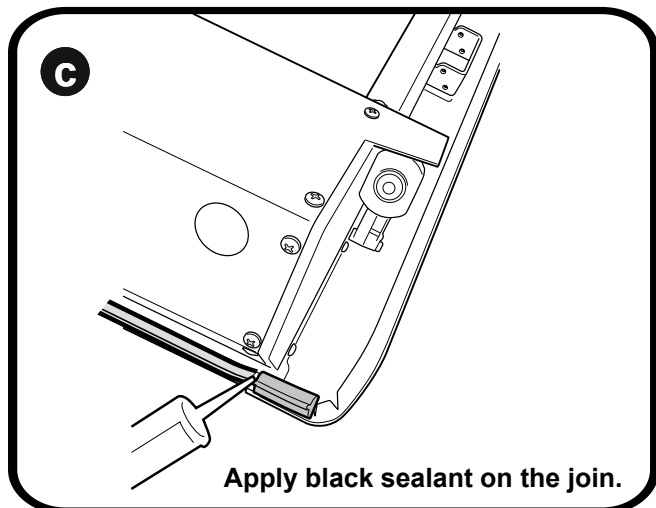
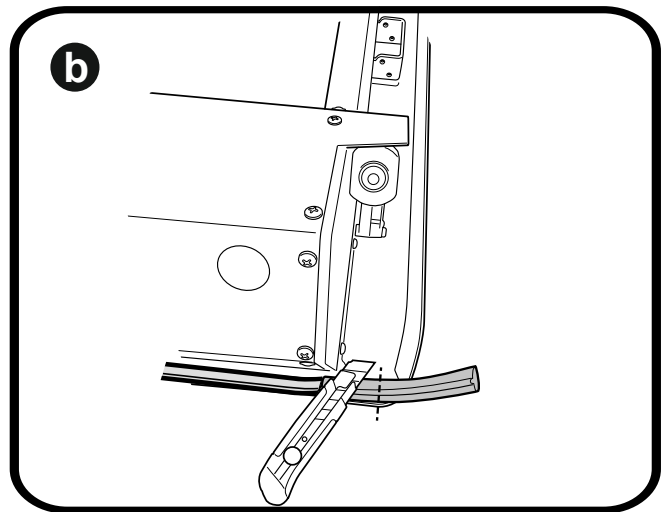
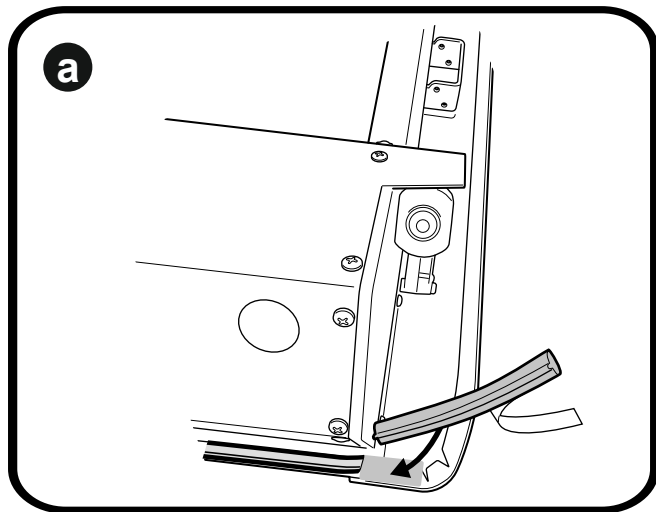
Fasten all 3 screws to 2nm torque. Over tensioning will cause operating issue's.



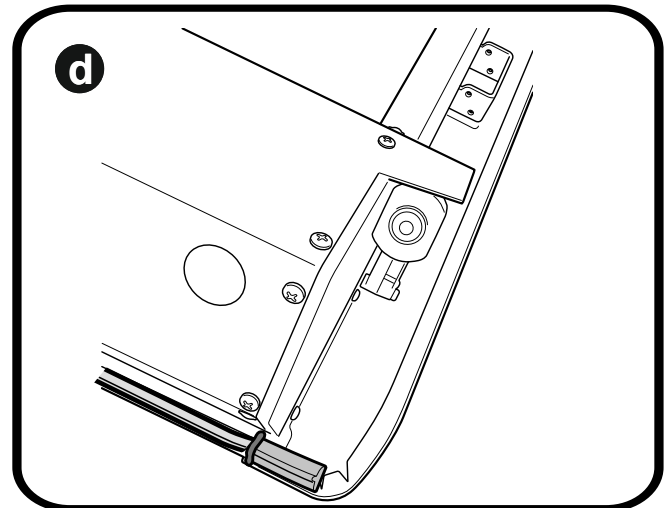
**Motor is to sit level.**

Any obstructions between motor and canister may cause operating issues.

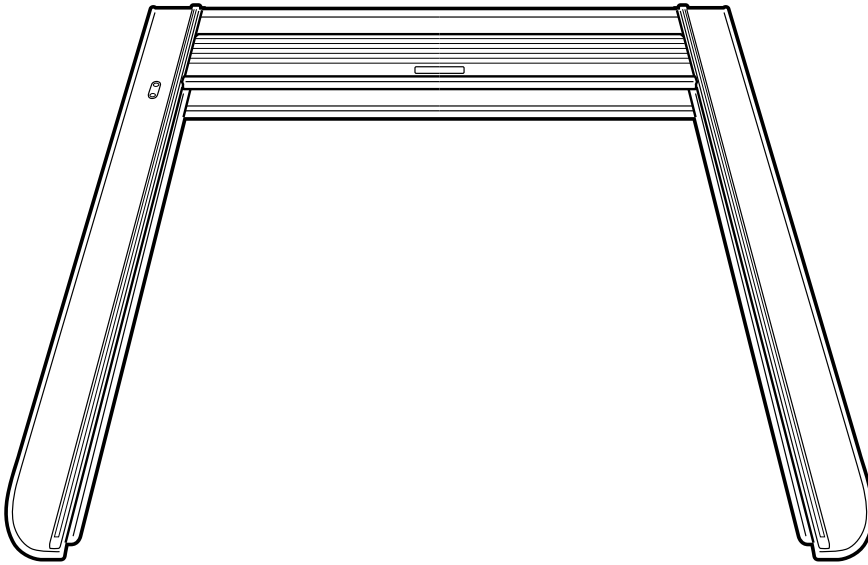
Apply D-sponge foam tape to side rail as indicated. NOTE: Join foam firmly to the per-fitted foam of the canister. Carefully trim excess off & discard as indicated. Repeat on the other side.



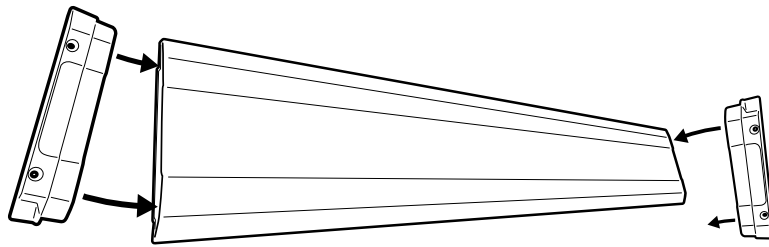
Apply black sealant on the joint.



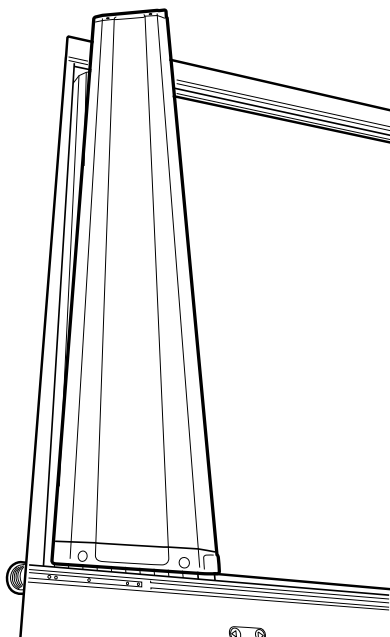
Carefully bring down the assembled unit.



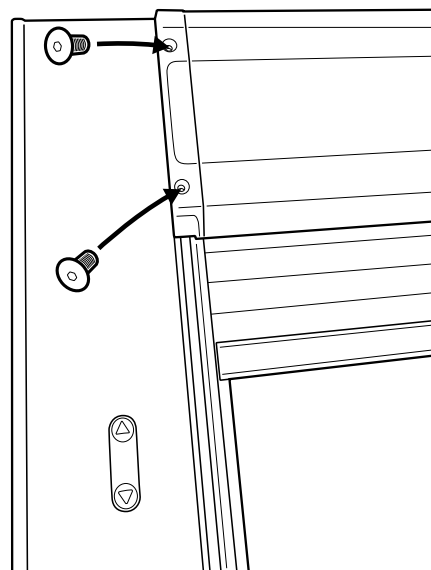
Insert side end caps to the top cover.



Place & Align top cover over the canister and side rails.

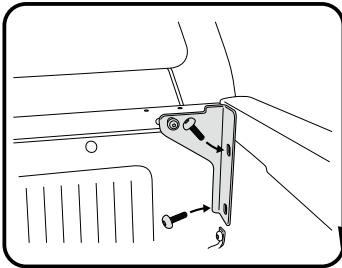
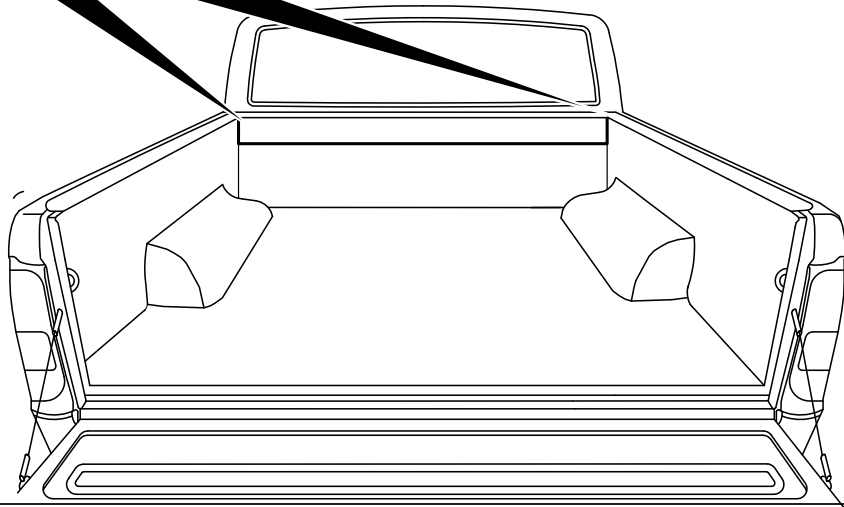
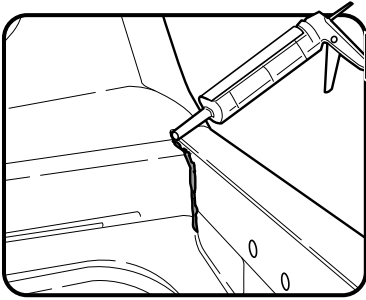
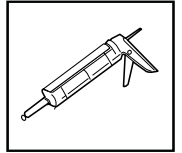


Using countersunk screws provided, line up end cap holes to the threads on the side rail. Fasten to 3nm torque. Repeat to the other side.

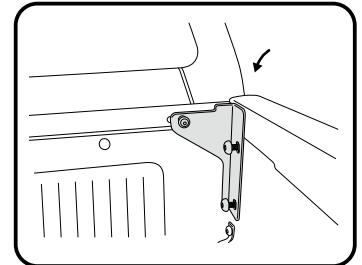
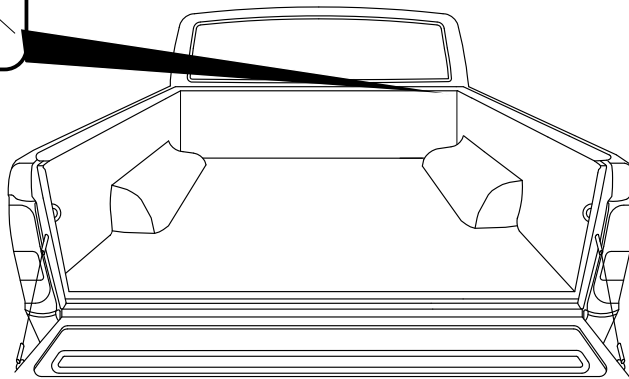




Seal any exposed gaps or holes on the front panel of the Ute bed with sealant.



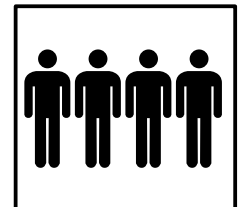
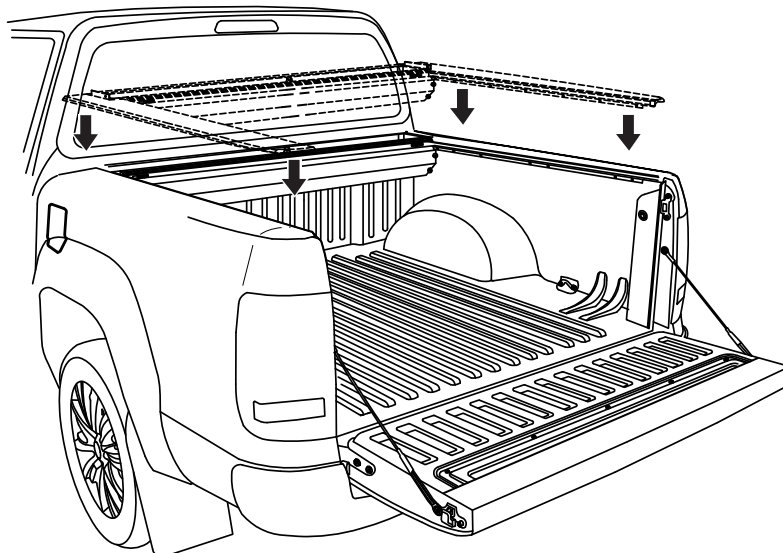
Attach the right angle bracket provided loosley with the retained factory bolts to the left and right top corners of the tub.



Push the brackets all the way down. Then tighten all bolts to 6nm to avoid the bracket from moving.

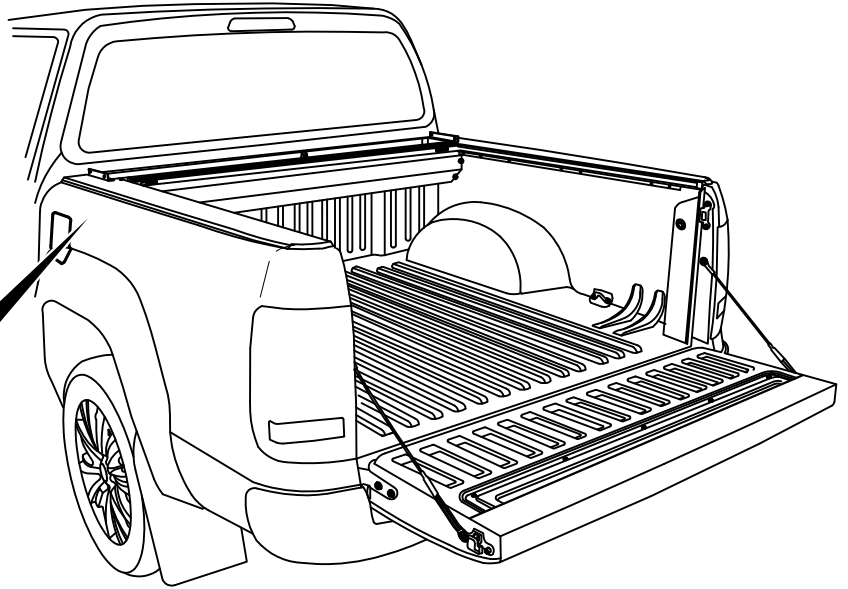
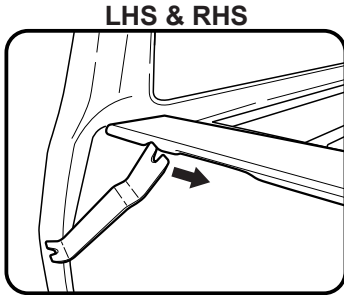
**NOTE:** If your vehicle does not come with the factory bolts, use the M8x25mm & M6x20mm provided in the kit.

Place the Roll-R-Cover unit on to Ute bed.

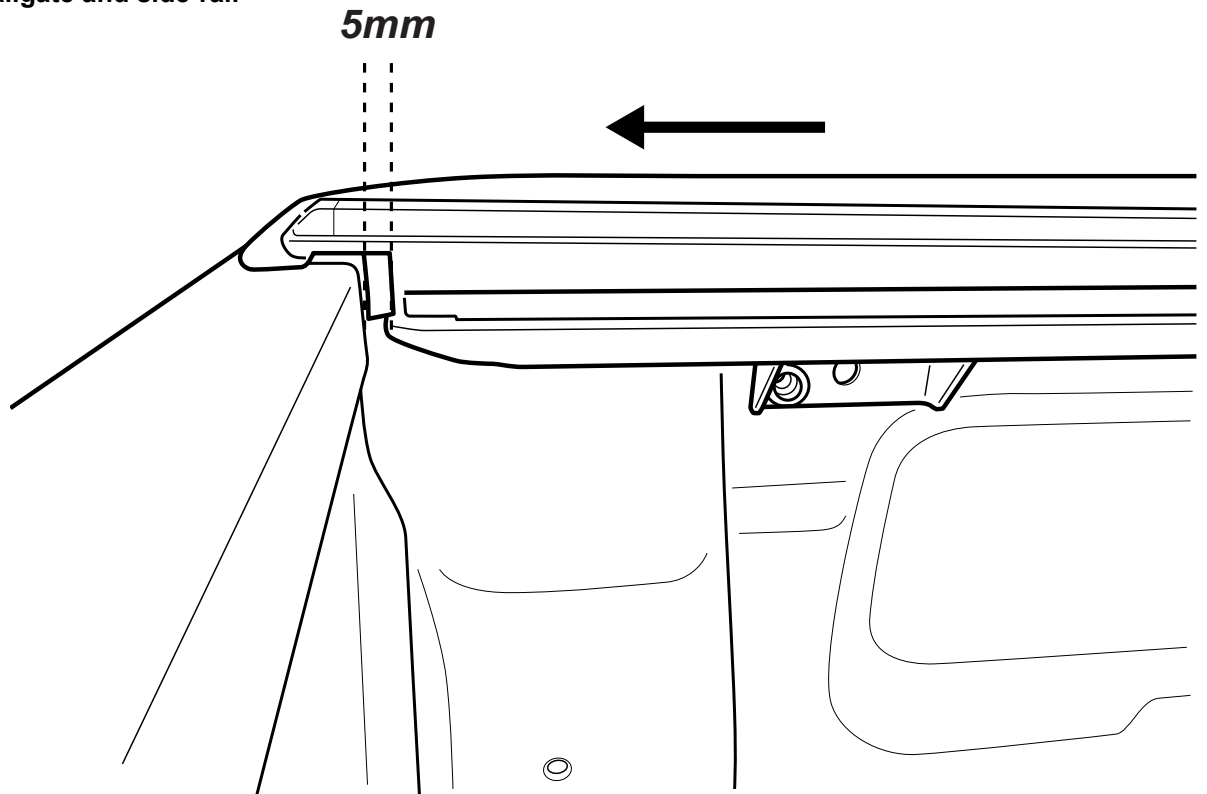


4 People  
Recommended for lift

With care, pull out any side rubber that has folded under the side rail.



With the tailgate up (Closed position), Pull left & right hand side rails towards the tailgate, stopping short by 5mm between tailgate and side-rail endcap.

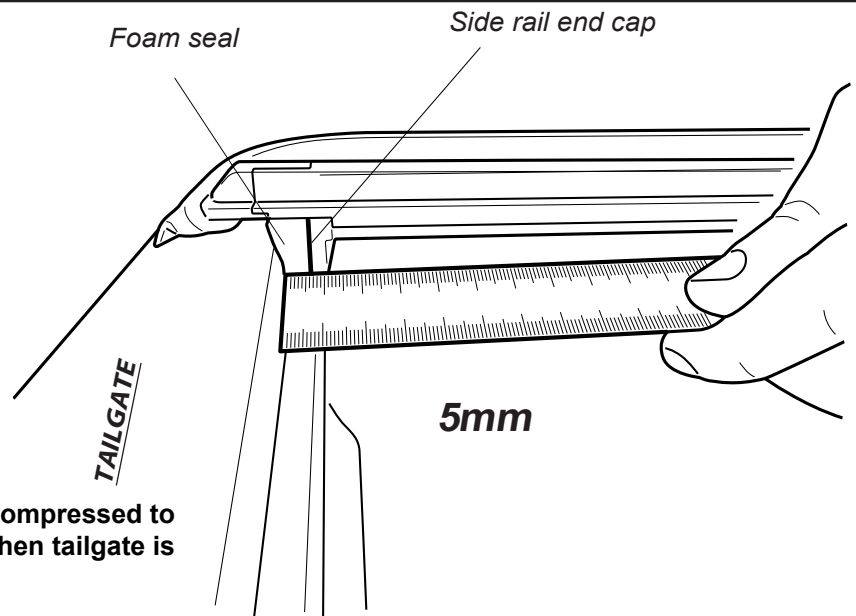


Foam compressed to 5mm when tailgate is closed.

Gap between tailgate and side-rail end cap to be 5mm.

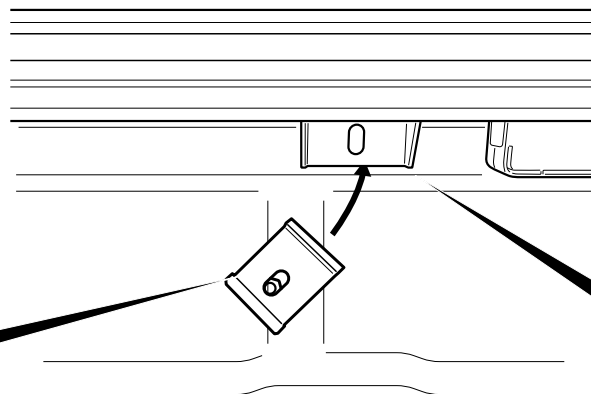
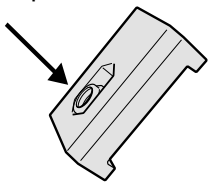


Foam compressed to 5mm when tailgate is closed.

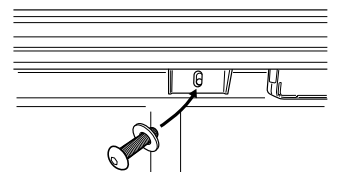


Position clamp behind the inner top lip of the bed rail and the **center elongated** hole of the side rail mounting brackets. Repeat to all 6 positions.

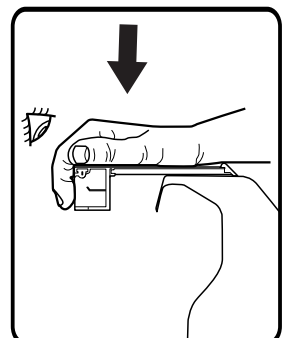
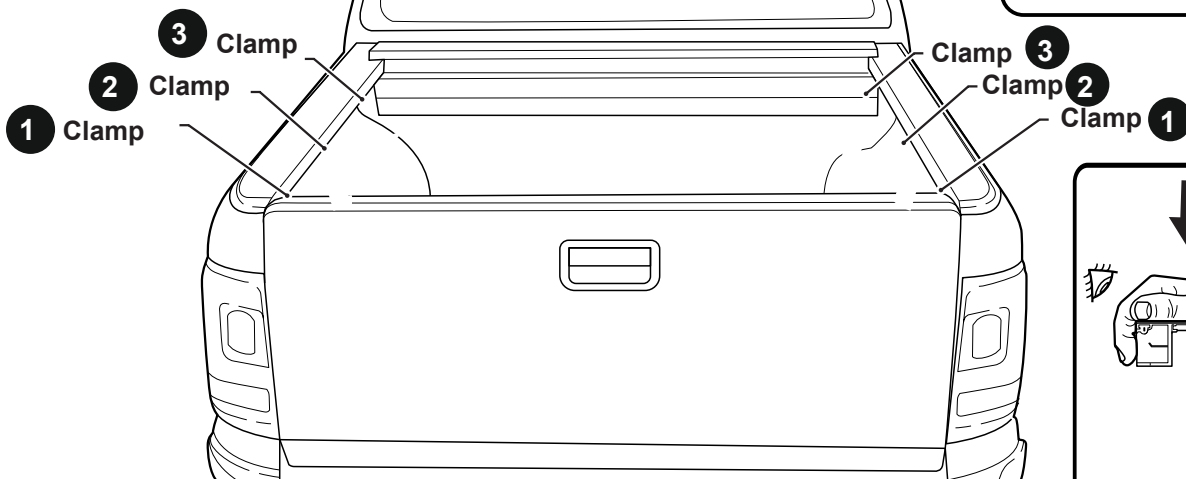
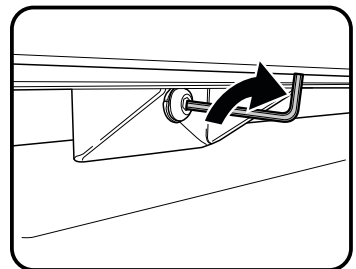
Ensure the M8 nut is in the indicated slot of the clamp



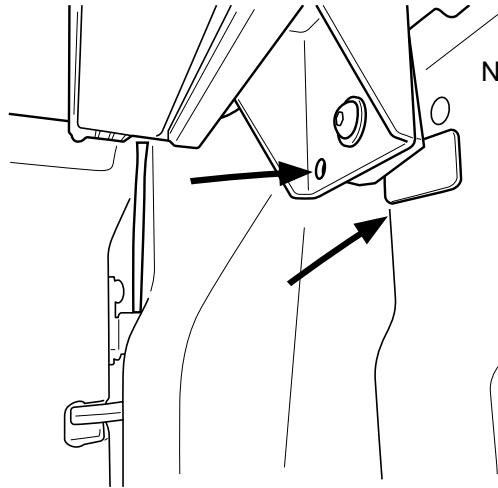
Fasten clamp loosely into position using M8 washer, M8 spring washer and M8 x 35mm bolt.



1. Apply downward pressure on side rails.
2. Lift **clamp** all the way up or as far up as possible then fasten clamp to 14Nm torque in the order indicated below.



Apply flat plate behind adjusting bolt hole to the ute bed panel or to the liner if the Ute is equipped with a tub liner.

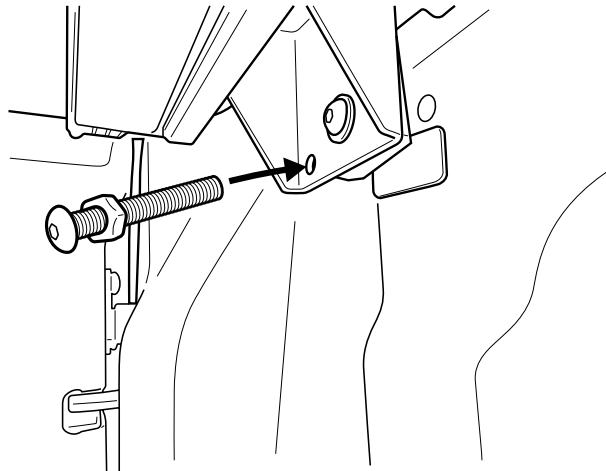


Note: Rear Clamp bracket.



Note: Clean surface before applying flat plate.

Feed M8 nut into M8x70mm bolt and through clamp bracket's pre-installed nutsurt as indicated.



Side rail rubber to sit 1mm below from the top of the tailgate in the closed position.

A large diagram with rounded corners showing the side rail rubber adjustment process. It includes a side view of the tailgate and side rail, a top-down view of the seal being tucked, and a small inset diagram showing the adjustment bolt being driven in or out. The text '1mm below' is shown twice, indicating the required gap. The text 'Seal will touch when closing tailgate.' and 'Seal tucked to inside lip of tailgate.' are also present. A small inset diagram shows the adjustment bolt being driven in or out to lift or lower the rear of the side rail. A small diagram of a ute with the tailgate open is shown at the bottom right, with a callout line pointing to the side rail area.

1mm below

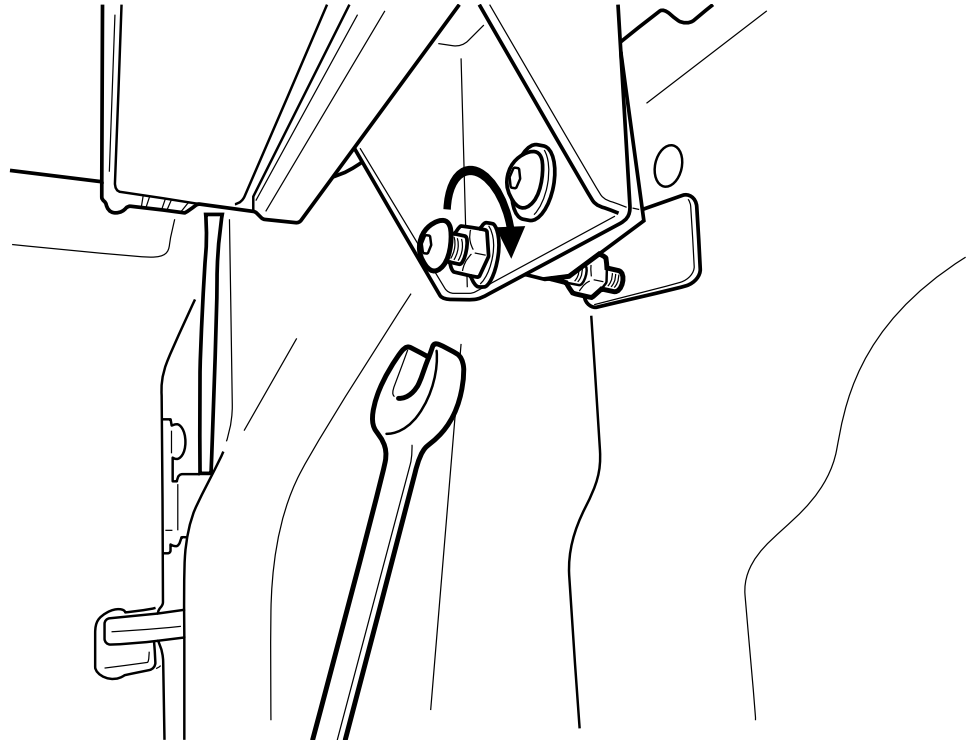
1mm below

Seal will touch when closing tailgate.

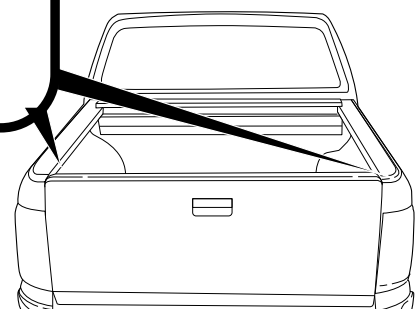
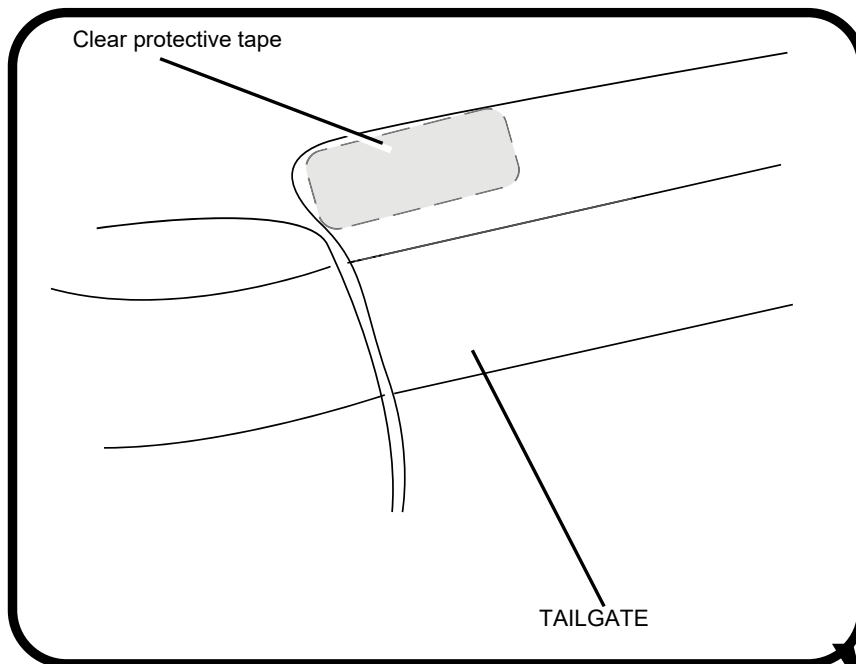
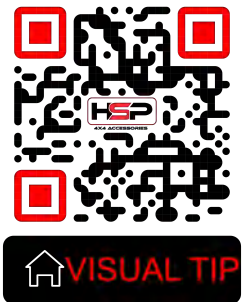
Seal tucked to inside lip of tailgate.

Drive the adjustment bolt in or out, to lift or lower the rear of the side rail till it sits 1mm below the top of tailgate.

Fasten the M8 nut against clamp bracket.



1. Clean area with non oil based cleaner, ie alcohol wipe.
2. Apply clear protective tape to left and right top corners of the tailgate as indicated.



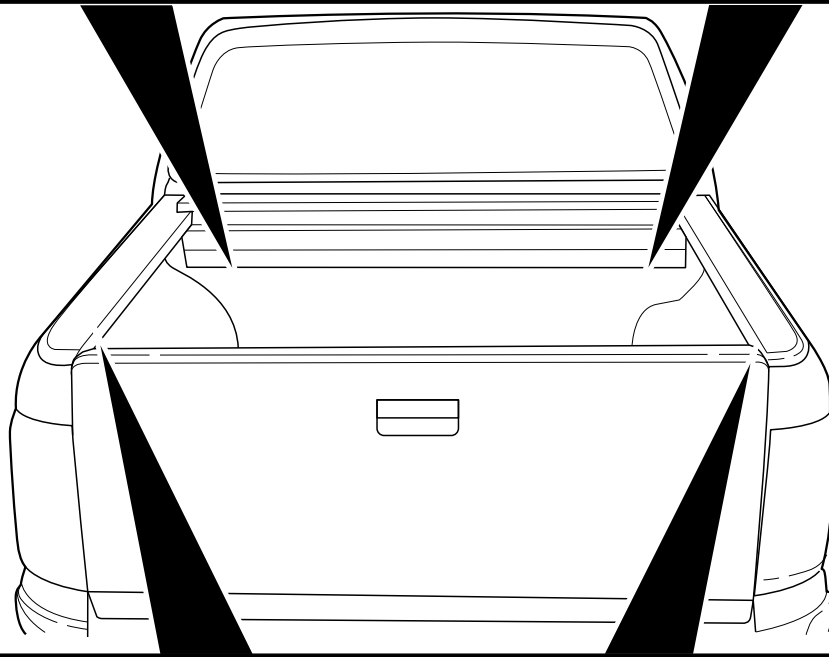
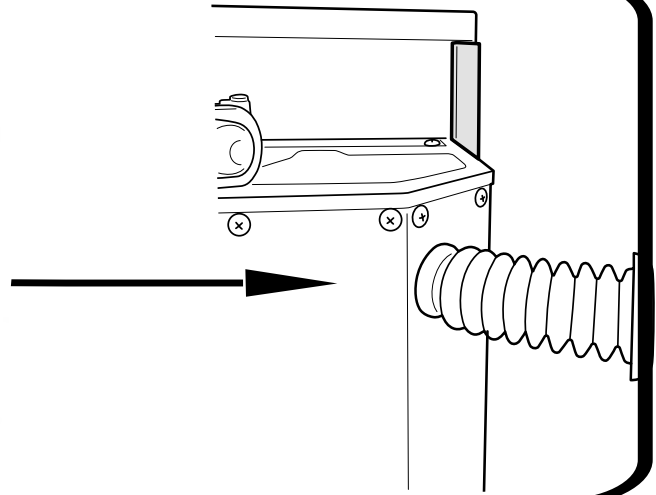
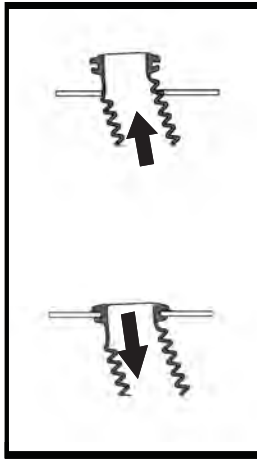
**Install front drain pipes through pre-drilled holes of the canister. ( RHS/LHS)**



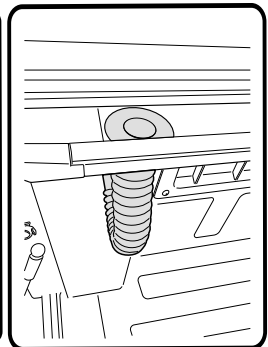
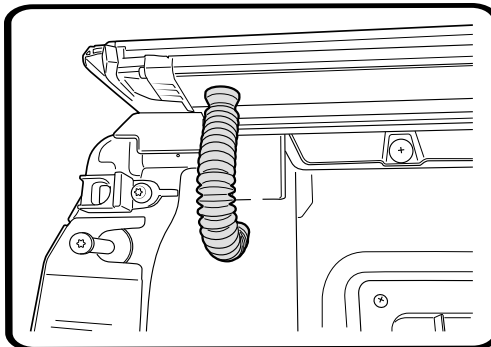
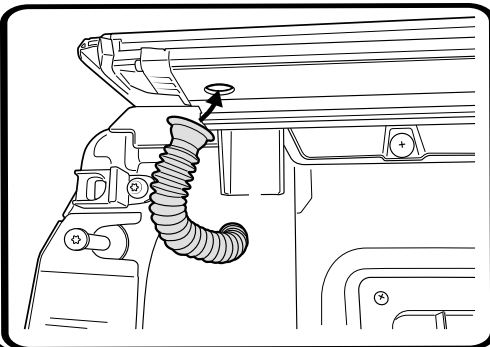
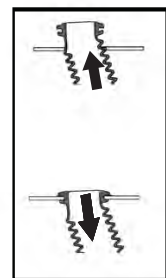
Note: With care push tube in. Gently pull the tube back so it seals correctly against the front panel of the tub.



 **VISUAL TIP**



Note: With care push rear pipe in. Gently pull the pipe back so it seals correctly within the side rail channel.

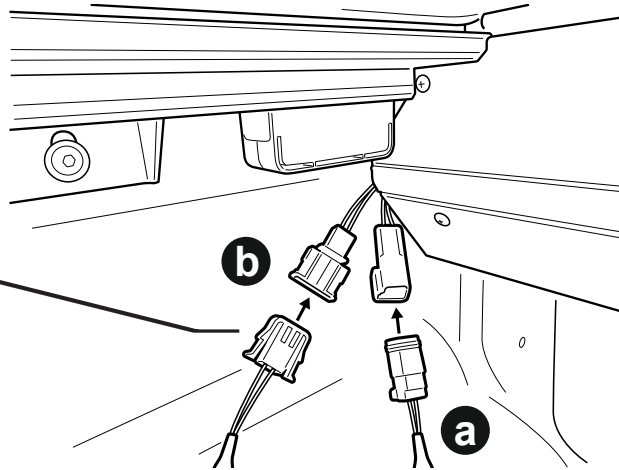


**Install rear drain pipes through pre-drilled holes of the siderails. ( RHS/LHS)**

- a. Connect Battery loom S2.75 to Receiver loom.
- b. **Carefully** connect CI-Loom-short to Receiver loom.



Align connectors carefully to avoid pushing pins out.



**Operating instructions:**

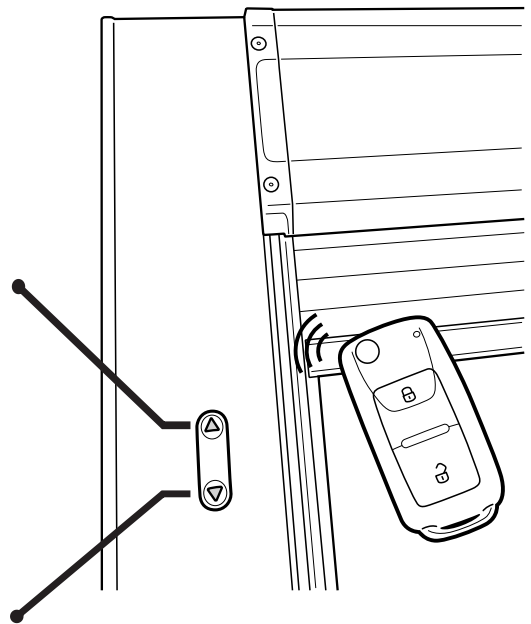
Press unlock on vehicle key fob to activate controller.

When vehicle is unlocked the side rail sensor buttons will be active to control.

When vehicle is locked the side rail sensor buttons will be inactive.

Touch & let go to open, touch & let go again to pause.

Touch & let go to close, touch & let go again to pause.



NOTE: 1. To wear in the Roll R Cover please fully open & close the cover approximately 15 times after install is complete.

2. Set your vehicle locking system to unlock all doors with one press of the factory remote unlock button. This setting can be found in your vehicle settings.